

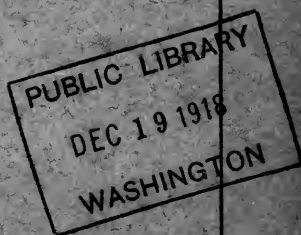
65TH CONGRESS }
3d Session }

HOUSE OF REPRESENTATIVES

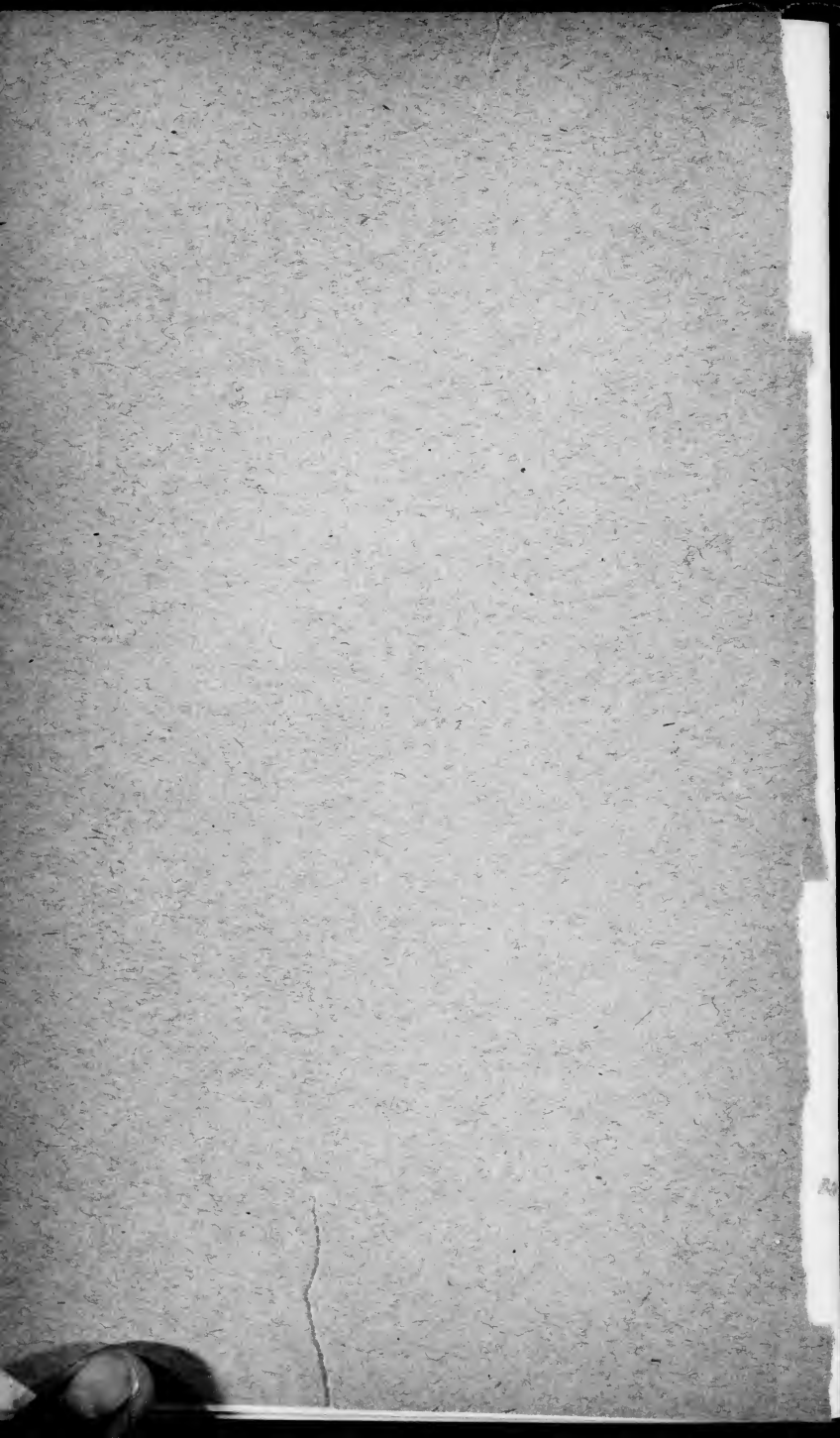
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No. 1431

ANNUAL REPORT OF THE
COMMISSIONERS OF THE
DISTRICT OF COLUMBIA
YEAR ENDED JUNE 30, 1918

Vol. III
REPORT OF
THE HEALTH OFFICER



WASHINGTON
1918



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Vol. III
REPORT OF
THE HEALTH OFFICER



WASHINGTON
1918



OFFICERS AND EMPLOYES OF THE HEALTH DEPARTMENT.

June 30, 1918.

Health officer.

WILLIAM C. WOODWARD, M. D.

Assistant health officer.

WILLIAM C. FOWLER, M. D.

Chief clerk and deputy health officer.

ARTHUR G. COLE.

Clerks.

S. PHILLIPS.
E. LUCAS.
J. C. MADDOX, Jr.
W. O. ROOME, Jr.

W. E. TURTON.
J. J. KING.
H. L. KING.
W. G. SCHWEITZER.

T. W. PARSONS.
L. H. CROWE.
M. LUCILLE GARDINER.

Chief sanitary inspector.

C. R. HOLMAN.

Assistant chief sanitary inspector.

J. F. BUTTS.

Chief food inspector.

R. R. ASHWORTH, D. V. S.

Assistant chief food inspector.

R. S. WILSON.

Serologist.

W. F. LANDON, B. S.

Bacteriologist.

L. V. DIETER, Phar. D.

Assistant bacteriologists.

J. E. WALSH, M. D.
ROY C. FROST.

Chief, Bureau of Vital Statistics.

A. C. PATTERSON, M. D.

Chemist.

M. A. POZEN, Phar. D., B. S.

Assistant chemist.

MOSES STARBECKER.

Sanitary inspectors.

JOHN KISSELEFF.
R. E. BECKHAM.
C. H. BUCHANAN.
W. R. SMITH.
C. C. STAUB.

J. S. DUGAN.
C. H. WELCH.
E. W. WHITAKER.
T. B. CARROLL.
J. M. HEINBUCH.

GEORGE GOTTHARDT.
D. C. MALCOLM.
E. J. CROSS.

Food inspectors.

H. S. DRAKE, V. S.
J. R. GRIME, D. V. S.
JOHN ROME, D. V. S.
W. L. FOWLER.
S. L. GELSTON.

E. HARGETT, V. M. D.
M. A. SULLIVAN.
W. B. DODGE.
H. J. MULLIGAN.
R. A. GUERRANT.

J. C. MORRIS.
W. H. H. HOOVER.
H. V. NEALE, D. V. M.
W. W. BURDETTE.
E. C. BUCKINGHAM.

Eight-hour female labor.

F. X. DOWD.
M. L. SIMPSON.

CAROLINE S. DAVIS.
JOSEPH GOLDSTEIN, clerk.

Pound service.

G. W. RAE, poundmaster.

Laborers.

RAYMOND LEE.
J. BURRILL.
WM. STEWART.

C. H. FELS.
A. R. FIELD, watchman.

Skilled laborers.

F. W. WILLNER.

J. H. OFENSTEIN.

Messengers.

J. H. PECK.

ISAAC PINKNEY.

Contagious-disease service.

R. S. BEALE, M. D., medical inspector. D. T. BIRTWELL, medical inspector.
LLEWELLYN ELIOT, M. D. medical inspector. J. D. BRADFIELD, medical inspector.
E. M. ELLISON, M. D., medical inspector. W. J. FRENCH, medical inspector.

Inspector nurses.

EVA E. MELLING.

KATHERINE DOUGLASS.

Clerk.

THELMA G. SCOTT.

Skilled laborer.

EDWARD NEWMAN.

Laborer.

LUCIAN GRAYSON.

Disinfecting service.

C. M. BEALL, inspector.

W. D. TAPSCOTT, disinfectior.
B. PRICE, disinfectior.

Crematorium.

ERNEST BISHOP, superintendent.

CONTENTS.

	Page.
Public health in the District of Columbia.....	7
Population.....	7
General birth rates and death rates.....	7
Births and stillbirths.....	8
Statistics of illness and deaths.....	11
General mortality.....	11
Mortality by race.....	11
Mortality by age periods.....	11
Deaths from the more important diseases.....	12
Reportable diseases.....	12
Deaths in the District workhouse, Occoquan, Va.....	13
Vital statistics, January to June, 1918.....	13
Disposal of the dead.....	13
Communicable diseases of animals.....	14
Administration.....	14
Supervision.....	14
Bureau of preventable diseases.....	14
Contagious-disease service.....	14
Medical inspection of public schools.....	16
Bureau of food inspection.....	17
Bacteriological laboratory.....	21
Chemical laboratory.....	21
Bureau of sanitary inspection.....	21
Eight-hour law for females.....	23
Pound service.....	23
Bureau of administration.....	23
Bureau of vital statistics.....	23
Legislation.....	25
Personnel.....	25

APPENDIXES.

A. Report of the chief medical inspector.....	29
B. Report of the chief food inspector.....	35
C. Report of the chemist.....	39
D. Report of the serologist.....	47
E. Report of the chief sanitary inspector.....	53
F. Miscellaneous tables.....	57
G. List of physicians licensed to practice medicine in the District of Columbia and list of private hospitals and asylums.....	75
H. Report of chief of bureau of vital statistics.....	81
I. Vital statistics tables.....	85



REPORT OF THE HEALTH DEPARTMENT.

HEALTH DEPARTMENT,
Washington, October 14, 1918.

GENTLEMEN: I have the honor to submit the following report for the fiscal year ended June 30, 1918:

PART I.

PUBLIC HEALTH IN THE DISTRICT OF COLUMBIA DURING THE CALENDAR YEAR 1917, WITH A SUPPLEMENTARY STATEMENT RELATING TO THE FIRST SIX MONTHS OF THE CALENDAR YEAR 1918.

Detailed statistics of births, stillbirths, deaths, and cases of reportable diseases are set forth in the appendix, to which reference must be made for information not found in the body of this report.

POPULATION.

A police census taken during the calendar year of 1917 furnished the following figures: Total population, 395,947; of this number 293,329 were white and 102,618 colored. The birth rates, stillbirth rates, death rates, and morbidity rates for the calendar year 1917 are based on the population as shown above.

GENERAL BIRTH RATES AND DEATH RATES.

The total number of births, stillbirths, and deaths recorded during the calendar year 1917, with corresponding birth rates, stillbirth rates, death rates, and similar data for previous years for purposes of comparison, are stated in the following table:

Population, births, stillbirths, and deaths in the District of Columbia, with corresponding rates during the calendar years 1901-1917, inclusive.

Calendar years—	Population.	Births.	Stillbirths.	Deaths.	Rate per 1,000.		
					Births.	Stillbirths.	Deaths.
1901-1905 ¹	311,325	5,409	570	6,042	17.38	1.83	19.41
1906-1910 ¹	336,940	6,900	577	6,304	20.48	1.71	18.71
1911.....	349,569	7,032	504	6,303	20.12	1.44	18.03
1912.....	352,936	7,007	501	6,259	19.85	1.42	17.73
1913.....	353,297	6,903	500	6,006	19.54	1.41	16.99
1914.....	353,664	7,130	447	5,866	20.16	1.26	16.59
1915.....	357,749	7,067	440	6,505	19.75	1.23	18.18
1911-1915 ¹	353,443	7,028	478	6,188	19.88	1.35	17.50
1916.....	359,997	7,258	417	6,494	20.16	1.15	18.04
1917.....	395,947	7,519	424	6,687	18.99	1.07	16.89

¹Average for 5-year period.

Births.—The following table gives an analysis of registered live births and stillbirths according to race:

Natality in the District of Columbia, by years and by race, during the calendar years 1906-1917, inclusive.

Calendar years—	Births and stillbirths registered.				Rate per 1,000 of corresponding population.		
	White.	Colored.	Un-known.	Total.	White.	Colored.	Total.
1906-1910 ¹	4,832	2,583	62	7,427	20.1	26.7	22.2
1911.....	4,943	2,524	69	7,536	19.7	25.7	21.6
1912.....	4,901	2,532	75	7,508	19.2	25.7	21.3
1913.....	4,834	2,509	60	7,403	18.9	25.6	20.9
1914.....	5,104	2,422	51	7,577	19.9	24.8	21.4
1915.....	5,027	2,430	50	7,507	19.8	24.6	21.0
1911-1915 ¹	4,962	2,483	61	7,506	19.5	25.3	21.0
1916.....	5,213	2,408	54	7,675	20.0	24.3	21.3
1917.....	5,491	2,412	40	7,943	18.7	23.5	20.1

¹Average for 5-year period.

Live births.—Seven thousand five hundred and nineteen live births were recorded during the year, equivalent to a birth rate of 18.99. These figures show a falling off from the previous year when the rate was 20.16.

Figures for comparison with previous years appear in the table printed on page 7.

Live births among the white population numbered 5,291, a live birth rate of 18.04, and among the colored 2,228 live birth rate of 21.71.

Stillbirths.—The following table shows the frequency of stillbirths, according to race and according to legitimacy or illegitimacy of the child:

Stillbirths in the District of Columbia; relative frequency of, with reference to race, legitimacy, and illegitimacy, during the calendar years 1906-1917, inclusive.

Calendar year.	Registered stillbirths.				Rate per 1,000.		
	White.	Colored.	Un-known.	Total.	White.	Colored.	Total.
1906-1910 ¹	200	315	62	577	0.8	3.2	1.7
1911.....	171	266	67	504	.7	2.7	1.4
1912.....	167	259	75	501	.7	2.6	1.4
1913.....	167	273	60	500	.7	2.8	1.4
1914.....	179	217	51	447	.6	2.2	1.3
1915.....	155	235	50	440	.6	2.4	1.2
1911-1915 ¹	168	250	61	479	.7	2.5	1.3
1916.....	171	192	54	417	.7	1.9	1.2
1917.....	200	184	40	424	.7	1.8	1.1

¹ Average for 5-year period.

Percentage of stillbirths of each class named below computed upon the basis of all live and still births, together for each class.

Calendar year.	By race.			Social status.	
	White.	Colored.	Total.	Legitimate.	Illegitimate.
1906 1910 ¹	4.1	12.2	7.7	5.6	14.9
1911.....	3.5	10.5	6.7	5.0	12.8
1912.....	3.4	10.2	6.7	4.9	12.2
1913.....	3.5	10.9	6.8	5.1	13.3
1914.....	3.5	8.9	5.8	4.6	12.1
1915.....	3.1	9.7	5.9	4.5	12.5
1911 1915 ¹	3.4	10.0	6.4	4.8	12.6
1916.....	3.3	8.0	5.4	4.1	13.4
1917.....	3.6	7.6	5.3	5.0	9.5

¹ Average for 5-year period.

White children to the number of 2,451 were born in institutions, of which 4.2 per cent were born dead, while of the 3,040 white children born in homes 3.2 per cent were stillborn. Of the 1,045 colored children born in institutions, 7.5 per cent were born dead, while of the 1,363 colored children born in homes 7.7 per cent were stillborn.

Stillbirths in the District of Columbia; relative frequency of in home and hospital practice, during the calendar year 1917.

Place of birth.	White.			Colored.				Total percentage of stillbirths to live births and stillbirths.
	Live births.	Stillbirths.	Percentage of stillbirths to live births and stillbirths.	Live births.	Stillbirths.	Percentage of stillbirths to live births and stillbirths.	Unknown race.	
Institutions.....	2,347	104	4.2	970	79	7.5	.....	5.2
Homes.....	2,944	96	3.2	1,258	105	7.7	1 40	5.4
	5,291	200	3.6	2,228	184	7.6	40	5.3

¹ Unknown race reported by coroner, presumably "home births."

In the following table it will be noted that the percentage of stillbirths occurring in hospitals under the care of physicians was the same as among those born in the homes, 5.2 per cent in each case:

Stillbirths in the District of Columbia, according to professional attendance, relative frequency of, in home and hospital practice, during the calendar year 1917.

Attended by—	Confined at home.		Confined at hospital.		Percentage of stillbirths to live births and stillbirths.		
	Live births.	Stillbirths.	Live births.	Stillbirths.	Homes.	Hospitals.	Homes and hospitals.
Physicians.....	3,694	201	3,317	180	5.2	5.2	5.2
Midwives.....	508	3	.....	.....	.6	.....	.....
Unknown.....	.....	1 40	.....	.....	.....	.....	.....
Total.....	4,202	244	3,317	180	5.5	5.2	5.2

¹ Unknown race; presumably born in homes.

Illegitimacy.—The percentage of births and stillbirths reported as illegitimate during the calendar year remains approximately the same as for the preceding year.

Illegitimacy in the District of Columbia, prevalence of, by years and by race, during the calendar years 1906–1917, inclusive.

Calendar year.	Illegitimate births and stillbirths registered.				Rates per 1,000 corresponding population.				Percentage of all births and stillbirths reported as illegitimate.			
	White.	Colored.	Unknown.	Total.	White.	Colored.	Unknown.	Total.	White.	Colored.	Unknown.	Total.
1901–1910 ¹	110	572	.....	682	0.5	5.9	.....	2.0	2.3	22.1	.....	9.2
1911.....	105	557	67	729	.4	5.7	.....	2.1	2.1	22.1	.....	9.7
1912.....	112	574	88	774	.4	5.8	.....	2.2	2.3	22.7	.....	10.3
1913.....	123	570	69	762	.5	5.8	.....	2.2	2.5	22.7	.....	10.3
1914.....	98	507	55	660	.4	5.2	.....	1.9	1.9	20.9	.....	8.7
1915.....	119	495	56	670	.5	5.0	.....	1.9	2.4	20.4	.....	8.9
1911–1915 ¹	111	541	67	719	.4	5.5	.....	2.1	2.2	21.7	.....	9.6
1916.....	89	466	55	610	.3	4.7	.....	1.7	1.7	19.3	.....	7.3
1917.....	122	475	40	637	.4	4.6	.....	1.5	2.2	19.7	.....	7.5

¹ Average for 5-year period.

The following table shows the distribution of illegitimate births according to the ages of the mothers of children born:

Illegitimacy in the District of Columbia: Ages of mothers of illegitimate children whose births and stillbirths were recorded during the calendar years 1911–1917, inclusive

Calendar year.	Ages of mothers in years.											Total.
	12	13	14	15	16	17	18	19	20	Total under 21.	21 and over.	
1911.....	---	3	4	17	33	49	54	51	46	237	204	643
1912.....	---	1	7	19	52	77	90	76	57	379	225	774
1913.....	---	1	4	29	55	80	98	82	62	412	275	693
1914.....	---	1	8	15	53	67	106	62	49	361	215	605
1915.....	---	1	7	18	51	80	84	66	60	367	233	614
1916.....	---	1	9	18	50	64	72	81	43	338	200	555
1917.....	---	---	8	25	39	78	93	62	62	367	213	597

NOTE.—40 stillbirths of unknown race and unknown legitimacy not included.

Births in institutions and under the care of midwives.—The increased tendency to resort to hospitals in cases of confinement, and the decreased employment of midwives commented on in previous reports has continued during the calendar year 1917, as shown in the following table:

Midwives and lying-in hospitals in the District of Columbia: Live births reported by midwives and from institutions during the calendar years 1906-1917, inclusive.

Calendar year.	Number reported.			Percentage reported.	
	Total.	From institutions.	By midwives.	From institutions.	By midwives.
1906-1910 ¹	6,900	1,286	1,295	18.6	18.8
1911.....	7,032	1,616	1,042	23.0	14.8
1912.....	7,007	1,788	953	25.5	13.6
1913.....	6,903	1,936	842	28.0	12.2
1914.....	7,130	2,182	699	30.6	9.8
1915.....	7,067	2,467	604	34.9	8.5
1911-1915 ¹	7,028	1,998	828	28.4	11.8
1916.....	7,258	2,690	558	37.1	7.7
1917.....	7,519	3,317	508	44.1	6.8

¹ Average for 5-year period.

STATISTICS OF ILLNESS AND DEATHS.

General mortality.—The total number of deaths occurring during the calendar year 1917 was 6,687, as compared with 6,494 for the preceding year. The death rate fell from 18.04 to 16.89.

There were 182 more deaths reported during the calendar year 1917 than in the preceding year. This increase was due in a large measure, it is believed, to the great increase in population resulting from the war activities now being carried on in the District. It will be noted, however, that while the number of deaths increased the death rate was reduced.

Mortality by race.—The relatively high death rate in the colored population as compared with the death rate of the white population prevailed as in the previous years. For detailed statement see the following table:

Racial population, deaths, and death rates in the District of Columbia, by calendar years, from 1901 to 1917, inclusive.

Years.	Population.		Deaths.		Death rates.	
	White.	Colored.	White.	Colored.	White.	Colored.
1901-1905 ¹	217,606	93,719	3,395	2,647	15.60	28.20
1906-1910 ¹	240,244	96,696	3,626	2,678	15.09	27.69
1911.....	251,409	98,159	3,739	2,564	14.87	26.12
1912.....	254,260	98,676	3,606	2,653	14.18	26.89
1913.....	255,153	98,144	3,568	2,438	13.98	24.84
1914.....	256,049	97,615	3,493	2,373	13.64	24.31
1915.....	258,940	98,809	3,918	2,587	15.13	26.18
1911-1915 ¹	255,162	98,281	3,665	2,523	14.36	25.67
1916.....	260,854	99,143	3,953	2,541	15.15	25.63
1917.....	293,329	102,618	4,070	2,617	13.88	25.50

¹ Average 5-year period.

Mortality by age periods.—In the first year of life 97 deaths per 1,000 reported births occurred. During the preceding year 106 deaths under 1 year of age for each 1,000 births recorded occurred. These figures show decrease of 9 from the previous year.

The death rate of white infants was 70 per 1,000, while that of colored infants was 160.

Detailed statement will be found in table on page 82.

Deaths from the more important diseases.—The most potent causes of death during the calendar year 1917, arranged in order of the gravity of their influence on death rates, with corresponding figures for previous years will be found in the following table. Detailed information with respect to those diseases and with respect to all causes of death will be found in tables printed in the appendix.

Most potent causes of deaths in the District of Columbia, during the calendar years 1915, 1916, and 1917, arranged in order of relative influence on the death rate in the latest year, and the annual averages for 5-year periods, 1906–1910 and 1911–1915.

Diseases.	Deaths.					Death rate per 100,000.				
	Annual average 1906–1910.	Annual average 1911–1915.	1915	1916	1917	Annual average 1906–1910.	Annual average 1911–1915.	1915	1916	1917
Organic heart disease.....	509	738	731	716	777	169	208	204	199	196
Bright's disease.....	442	545	613	588	639	131	154	171	163	161
Pneumonia (all forms).....	554	547	671	604	636	163	155	188	168	161
Pulmonary tuberculosis.....	749	687	698	646	594	222	194	195	179	150
Apoplexy.....	327	413	457	463	490	97	117	129	129	124
Malignant growths.....	276	339	392	387	420	82	96	110	108	106
Diarrhea (under 2 years).....	305	192	167	175	227	91	54	47	49	57
Prematurity.....	215	204	204	181	208	64	58	57	50	53
Endocarditis and myocarditis.....	72	57	122	146	158	21	16	34	41	40
Arteriosclerosis.....	84	120	154	179	144	25	34	43	50	36
Senility.....	200	156	113	121	126	59	44	32	34	32
Grippe.....	96	71	114	112	106	28	20	32	31	27
General paralysis of insane.....	33	53	67	71	80	10	15	19	20	20
Nephritis, acute.....	59	68	77	75	77	18	19	22	20	19
Diarrhea (2 years and over).....	72	63	58	64	68	21	18	16	18	17
Diabetes.....	41	58	72	68	65	12	16	20	19	16
Bronchitis.....	128	93	87	77	59	38	26	24	21	15
Typhoid fever.....	119	59	42	46	49	35	17	12	13	12
Marasmus (under 1 year).....	62	82	68	78	34	18	23	19	22	9
Whooping cough.....	38	29	19	41	18	11	8	5	11	5

Reportable diseases.—In the following table figures are given showing the prevalence of the several reportable diseases in the District of Columbia during the calendar year 1917, with figures for comparison with the preceding year:

Reportable diseases in the District of Columbia: Cases, case rates, death, percentage of fatalities, and death rates during the calendar years 1916 and 1917.

Diseases.	Cases.		Case rate per 100,000.		Deaths.		Percentage of deaths to cases.		Death rate per 100,000.	
	1916	1917	1916	1917	1916	1917	1916	1917	1916	1917
Anterior poliomyelitis.....	39	6	11	1.5	6	2	15.4	34.0	1.6	0.5
Chickenpox.....	1,139	1,250	316	315	—	—	—	—	—	—
Diphtheria.....	647	1,130	180	285	33	37	5.1	3.2	9.2	9.0
Epidemic cerebrospinal meningitis.....	6	33	2	8.2	4	17	66.6	51.5	1.1	4.4
Measles.....	2,642	3,807	734	945	6	14	.2	.036	1.7	3.5
Pellagra.....	16	19	4	4.8	9	14	56.3	73.0	2.5	3.5
Scarlet fever.....	530	584	147	147	6	8	1.1	1.3	1.6	2.0
Smallpox.....	4	11	1	2.8	—	—	—	—	—	—
Tuberculosis (communicable).....	1,061	1,006	295	220	694	633	65.4	63.0	19.28	15.9
Typhoid fever.....	308	338	86	85	46	49	14.9	14.0	12.7	12.0
Whooping cough.....	2,224	1,013	618	225	41	18	1.8	1.7	11.4	4.5

Deaths in the District workhouse, Occoquan, Va.—One death occurred at the District workhouse, Occoquan, Va., during the calendar year 1917; cause, pneumonia.

VITAL STATISTICS—JANUARY TO JUNE INCLUSIVE, 1918.

A statement showing cases of reportable diseases and reported deaths during the first half of the calendar year 1918 will be found on page 84.

DISPOSAL OF THE DEAD.

The following table shows the ultimate disposal of the dead in the District of Columbia during the year ending December 31, 1917:

Disposal of dead bodies, exclusive of bodies of stillborn infants, coming under the supervision of the health department during the calendar year 1917.

	Died in the District of Columbia.	Died outside of the District of Columbia; brought in for disposal.	Total.
Sent out of the District for disposal:			
To Arlington National Cemetery.....	345	40	385
To other places.....	1,198	51	1,249
Total.....	1,543	91	1,634
Cremated:			
Lee's crematory.....	42	17	59
District crematory.....	269	8	277
Total.....	311	25	336
Buried in the District of Columbia.....	4,740	526	5,266
Anatomical board.....	93	.....	93
Total.....	4,833	526	5,359
Total disposed of.....	6,687	6,427	7,329

Cremation.—The progress of cremation in the District of Columbia since the calendar year 1900 is shown in the following table:

Progress of cremation in the District of Columbia, calendar years 1901-1917, inclusive.

Calendar year.	Bodies cremated. ¹				Percentage of cremations.
	Total deaths.	Lee's crematory.	District of Columbia crematory.	Total.	
1901.....	6,050	27	.....	27	0.45
1902.....	5,788	21	.....	21	.36
1903.....	5,944	41	.....	41	.69
1904.....	6,221	20	.....	20	.32
1905.....	6,205	43	.....	43	.69
1906.....	6,316	41	.....	41	.65
1907.....	6,343	50	.....	50	.79
1908.....	6,136	54	² 45	99	1.61
1909.....	6,216	50	316	366	5.88
1910.....	6,511	48	334	382	5.87
1911.....	6,303	52	319	371	5.89
1912.....	6,259	52	323	375	5.99
1913.....	6,006	57	295	352	5.86
1914.....	5,866	59	230	289	4.93
1915.....	6,505	67	298	365	5.61
1916.....	6,494	53	272	325	5.00
1917.....	6,687	59	277	336	5.00
Total.....	105,850	794	2,709	3,503	55.59

¹ Stillbirths excluded.

² Began to operate October 1903.

COMMUNICABLE DISEASES OF ANIMALS.

Rabies.—The following table shows the extent to which rabies prevailed in the District of Columbia during the calendar year 1917, together with corresponding figures for the preceding year.

Rabies in the District of Columbia during the calendar year 1917, together with corresponding data for the preceding year.

	Calendar year—	
	1916	1917
Dogs reported to the health department as rabid or suspected of being rabid.....	21	25
Other animals reported as rabid or suspected of being rabid.....	4	2
Instances in which diagnosis of rabies was confirmed by post-mortem findings of the Bureau of Animal Industry (3 dogs and 2 dogs).....	3	2
Persons bitten by dogs or cats rabid or suspected of being rabid.....	14	26
Domestic animals bitten by dogs, rabid or suspected of being rabid (3 dogs, 1 cat).....	.....	4
Persons bitten by dogs and cats and other animals known to be rabid, as shown by post-mortem findings of the Bureau of Animal Industry (2 dogs).....	2	2
Pasteur treatment administered to individuals during the calendar year (reports received from the Hygienic Laboratory, Public Health Service).....	1 35	1 29

¹ This includes individuals from outside of the District of Columbia as follows: 1916, 28; 1917, 15.

In view of the continued prevalence of rabies in the District of Columbia, the commissioners, on July 5, 1917, renewed their proclamation of the preceding year, requiring the muzzling of all dogs running at large. This proclamation became effective July 10, 1917, and continued for the period of one year.

PART II.

ADMINISTRATION.

SUPERVISION.

There has been no change in the general methods of procedure in the health department during the past year.

BUREAU OF PREVENTABLE DISEASES.

Contagious-disease service.—The following table shows in a general way the amount and character of the work done in the contagious-disease service during the fiscal year 1918:

Reportable diseases in the District of Columbia: Cases reported during the fiscal years 1917 and 1918.

Diseases.	Fiscal year—	
	1917	1918
Anterior poliomyelitis.....	37	6
Chicken pox.....	969	1, 198
Diphtheria.....	613	1, 112
Epidemic cerebrospinal meningitis.....	20	122
Leprosy.....	.....	.....
Measles.....	3, 533	7, 618
Fellagra.....	14	21
Scarlet fever.....	490	1, 102
Smallpox.....	6	38
Tuberculosis.....	984	1, 118
Typhoid fever.....	282	328
Whooping cough.....	2, 125	1, 144
Total.....	9, 083	1 13, 807

¹ This total included 1,151 cases reported from the various military and naval cantonments located within the District of Columbia.

Smallpox hospital, quarantine station, and leper hospital.—There were 37 patients cared for in the smallpox hospital during the fiscal year 1918. The institution was in active operation on 145 days, the total number of patient-days' service rendered being 465.

The average number of patients in the hospital each day during the period when the hospital was in active operation was 3.2 and the average for the entire year was 1.3.

The average stay in the hospital of each patient was 12.5 days.

The quarantine station was in active operation during the fiscal year 1918, 180 days during which time it cared for 82 inmates, the total number of inmate days being 723. While this institution was in active service the average number of inmates per day was 4. The average number of inmates per day calculated on the entire year was 1.9. The average stay of an inmate in the institution was 8.5 days.

The leper hospital was in active service every day during the entire year, the number of patients being 1.

Ambulance service.—The ambulance for patients suffering from minor contagious diseases transported during the fiscal year 1918, 530 patients on 267 days. Patients suffering from smallpox were removed in the ambulance provided for that purpose or in some other vehicle, not in the ambulance for the transportation of patients suffering from minor contagious diseases.

Cost of the contagious-disease service.—A statement of the cost of the contagious-disease service will be found on pages 66.

Isolating wards at Garfield Memorial and Providence Hospitals.—For statement showing the service rendered by the isolating wards at these institutions during the fiscal year 1918, see the following table:

Isolating wards, Garfield Memorial and Providence Hospitals: Service and expense during the fiscal year 1918.

Institution.	Pay patient days.	Free patient days.	Total patient days.	Total appropriated by the Government.	Paid by the District for the year.	Cost to the District per free patient per day.	Amount received from pay patients.
Garfield Memorial Hospital.....	5,246	5,442	10,688	\$10,000.00	\$10,000.00	\$1.84	\$4,871.84
Providence Hospital.....	2,250	2,462	4,712	6,000.00	5,964.40	2.41	(*)

*No account of money received from pay patients was rendered by Providence Hospital.

A statement showing the nature of the cases treated in the isolation wards named above will be found on page 32.

Disinfecting services.—During the fiscal year 1918, 2,513 premises were disinfected, and 326 articles exposed to infection on such premises or in some other way were disinfected at the disinfecting station. The disinfecting service cost during the year \$7,408.84.

For a more detailed statement of the work done by the disinfecting service and the cost of such service see pages 32 and 72.

Five permits were issued during the fiscal year, under the authority of the regulations for the control of disinfecting and fumigating, promulgated by the commissioners under date of April 2, 1915, authorizing the use of cyanide gas for the destruction of vermin of various kinds.

COMMUNICABLE DISEASES OF ANIMALS.

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	Calendar year—	
	1916	1917
Dogs reported to the health department as rabid or suspected of being rabid.....	21	25
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Instances in which diagnosis of rabies was confirmed by post-mortem findings of the Bureau of Animal Industry (3 dogs and 2 dogs).....	3	2
Persons bitten by dogs or cats rabid or suspected of being rabid.....	14	26
Domestic animals bitten by dogs, rabid or suspected of being rabid (3 dogs, 1 cat).....		4
Persons bitten by dogs and cats and other animals known to be rabid, as shown by post-mortem findings of the Bureau of Animal Industry (2 dogs).....	2	2
Pasteur treatment administered to individuals during the calendar year (reports received from the Hygienic Laboratory, Public Health Service).....	135	129

¹ This includes individuals from outside of the District of Columbia as follows: 1916, 28; 1917, 15.

In view of the continued prevalence of rabies in the District of Columbia, the commissioners, on July 5, 1917, renewed their proclamation of the preceding year, requiring the muzzling of all dogs running at large. This proclamation became effective July 10, 1917, and continued for the period of one year.

PART II.

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Diseases.	Fiscal year—	
	1917	1918
Anterior poliomyelitis.....	37	6
Chicken pox.....	969	1,198
Diphtheria.....	613	1,112
Epidemic cerebrospinal meningitis.....	20	122
Leprosy.....		
Measles.....	3,533	7,618
Pellagra.....	14	21
Scarlet fever.....	490	1,102
Smallpox.....	6	38
Tuberculosis.....	984	1,118
Typhoid fever.....	292	328
Whooping cough.....	2,125	1,144
Total.....	9,083	13,807

¹ This total included 1,151 cases reported from the various military and naval cantonments located within the District of Columbia.

Smallpox hospital, quarantine station, and leper hospital.—There were 37 patients cared for in the smallpox hospital during the fiscal year 1918. The institution was in active operation on 145 days, the total number of patient-days' service rendered being 465.

The average number of patients in the hospital each day during the period when the hospital was in active operation was 3.2 and the average for the entire year was 1.3.

The average stay in the hospital of each patient was 12.5 days.

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The leper hospital was in active service every day during the entire year, the number of patients being 1.

Ambulance service.—The ambulance for patients suffering from minor contagious diseases transported during the fiscal year 1918, 530 patients on 267 days. Patients suffering from smallpox were removed in the ambulance provided for that purpose or in some other vehicle, not in the ambulance for the transportation of patients suffering from minor contagious diseases.

Cost of the contagious-disease service.—A statement of the cost of the contagious-disease service will be found on pages 66.

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Garfield Memorial Hospital.....	5,246	5,442	10,688	\$10,000.00	\$10,000.00	\$1.84	\$8,871.54
Providence Hospital.....	2,250	2,462	4,712	6,000.00	5,954.40	2.41	(¹)

¹No account of money received from pay patients was rendered by Providence Hospital.

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For a more detailed statement of the work done by the disinfecting service and the cost of such service see pages 32 and 72.

Five permits were issued during the fiscal year, under the authority of the regulations for the control of disinfecting and fumigating, promulgated by the commissioners under date of April 2, 1915, authorizing the use of cyanide gas for the destruction of vermin of various kinds.

Public crematorium.—During the fiscal year 1918, 509 bodies were cremated—93 adults, 157 infants, and 259 stillborn babies. The total cost of maintenance was \$1,807.59. In 33 cases bodies were cremated for persons who paid for such services, the fees from this source amounting to \$925. Deducting this amount from the total cost of maintenance, the net cost to the government for maintaining the crematorium during the entire year was \$882.59.

For statement showing the progress of cremation in the District of Columbia since the year 1900, see page 13.

Bacteriological laboratory.—During the fiscal year 1918, 20,009 specimens were examined in the bacteriological laboratory. For statement showing the character of these specimens and the results of examination see table on page 51 of this report.

The cost of maintaining the laboratory during the year was \$6,154.49.

Serological laboratory.—In the appropriation act of March 3, 1917, provision was made for the appointment of a serologist and the establishment and maintenance of a serological laboratory.

The laboratory has been maintained during the fiscal year 1918 at a cost of \$3,687.85.

In connection with the establishment and maintenance of the serological laboratory arrangements were made for free laboratory tests for syphilis and gonorrhea.

A printed circular was also sent to all druggists and other persons handling serums, vaccines, and other biological medical agents in the District of Columbia, giving information and instructions relative to the proper handling and storing of these products.

For statement showing the amount and character of work done in the serological laboratory see table on page 51 of this report.

Dispensaries.—The provisions made by Congress for the establishment and maintenance of dispensaries for the treatment of persons suffering from tuberculosis and of persons suffering from venereal diseases have been carried out in part only. After diligent search throughout the city for a building suitable for the purpose, the health department finally obtained from the General Government the use of the building at 409 Fifteenth Street NW.

Before, however, this building could be used for the purposes indicated it was necessary to do extensive remodeling. This work, which has been in progress for several months, is now rapidly nearing completion. The necessary equipment has been purchased and is now on hand, and as soon as the work of remodeling is completed both dispensaries will be opened to the public. It is believed that these dispensaries both as to medical service and equipment will compare favorably with similar institutions anywhere in the country.

MEDICAL INSPECTION OF PUBLIC SCHOOLS.

In the District appropriation act of March 3, 1917, provision was made for the appointment of two additional school nurses at a salary of \$1,000 each. It is believed that the school nurse is one of the most active agencies in the hands of the school authorities for the advancement of the physical well-being of the school children.

A report covering the operation of the medical inspection service, including the work done by the school nurse, will be printed, it is understood, in the report of the board of education.

Two schools, one for the white and one for the colored pupils, are being maintained for the education of pupils suffering from communicable forms of tuberculosis. The white class is located in the Hamilton School, Bladensburg Road, and during the last school year enrolled 12 pupils.

The colored class is located in the Harrison School, Thirteenth Street between V and W Streets NW. This school had under enrollment during the last school year 29 pupils.

During the school term 1917-18 two vacancies occurred in the medical inspection service; Dr. J. D. Thomas and Dr. Albert Ridgley resigned to accept commissions in the Medical Reserve Corps of the National Army. These vacancies were filled by the appointment of Drs. Frank E. Duehring and Peter M. Murray.

In the appropriation act of August 31, 1918, provision is made for the establishment of free dental clinics in the public schools and for the appointment of eight dental operators and four dental prophylactic operators to serve such clinics. The establishment and maintenance of these clinics will result in very great benefit to school children. The clinics will be put in operation at the earliest practicable date.

BUREAU OF FOOD INSPECTION.

Inspection of perishable foodstuffs.—The number and kinds of establishments in the District of Columbia producing and selling foodstuffs, exclusive of dairies and dairy farms, during the fiscal year 1918, is shown in the following table:

Food producing and vending establishments in the District of Columbia: Number and kind on register during the fiscal years 1917 and 1918, with data relative thereto.

	Registered at beginning year.	Registered during year.	Abandoned or duplicated.	Registered at close year.	Inspection.		
					Total.	Average per annum per p.ace.	Inspections per inspector per day worked.
Total:							
1917.....	5,832	754	2,993	3,593	42,356	11.79	24.81
1918.....	6,073	650	3,671	3,671	49,698	13.53	20.30
Commission houses:							
1917.....	73	8		81	12,122	149.65	7.10
1918.....	72		2	70	15,643	223.47	8.52
Groceries:							
1917.....	2,747	508	1,447	1,808	10,313	5.70	6.04
1918.....	1,808	322	1,114	1,016	4,895	4.80	2.67
Markets:							
1917.....	10			10	2,591	259.10	1.52
1918.....	10			10	2,083	208.30	1.70
Hucksters:							
1917.....	682		175	507	6,089	12.01	3.57
1918.....	507		48	459	16,395	35.71	5.35
Bakeries:							
1917.....	97	2	31	68	178	2.62	.10
1918.....	68	15	7	76	453	6.35	.39
Confectioneries:							
1917.....	566	106	171	501	680	1.36	.40
1918.....	501	90	160	431	348	.80	.27
Restaurants and lunch rooms:							
1917.....	864	102	453	513	4,111	8.01	2.41
1918.....	513	590	612	491	8,243	16.79	13.49
Miscellaneous:							
1917.....	793	28	716	105	866	8.25	.51
1918.....	105	182	125	162	1,028	6.34	.55

During the fiscal year 250 prosecutions were instituted against proprietors or managers of establishments where foodstuffs are sold for unclean premises, sales of unwholesome foods, or other violations of regulations. At the beginning of the year 32 cases were pending, making the total number of prosecutions 282, which were disposed of as follows: Nolle prosequi was entered in 93 cases; 7 were dismissed; personal bonds were accepted in 4 cases, fines aggregating \$87 were imposed in 18, and forfeitures amounting to \$1,054 were accepted in 160 cases.

The large number of cases nolle prossed were due to the fact that the inspectors prosecuting the cases were drafted into the National Army before the cases were brought to trial.

It might be well to call attention to the fact that fines and forfeitures imposed during the fiscal year just closed shows an increase of approximately 100 per cent over the preceding year.

The amount and kind of foodstuffs condemned during the year will be found in tables on page 59 of this report.

Detailed cost of inspection, amounting to approximately \$8,632.74, appears in tables printed on pages 66.

Inspection of slaughterhouses.—Fifteen slaughterhouses were under inspection by the health department. The larger establishments engaged in interstate business are, of course, subject to inspection by the United States Department of Agriculture and by the health department of the District, but the inspection of such establishments is left substantially to the Federal department.

At the establishments under inspection by the health department, 268 cattle, 33 sheep, 605 calves were examined during the year. The carcasses of 2 cattle were found unfit for food and condemned.

Supervision of dairy farms.—A statement showing in detail the amount and kind of work done during the fiscal year 1918, with respect to dairy farms on which milk and cream were lawfully produced for sale in the District of Columbia, appears in the following table. As in previous years, considerable quantities of milk and cream were brought into the District during the year from unlicensed farms. The department is exerting every effort by legal proceedings to prevent a continuance of the practice. A number of cases are now being prepared by corporation counsel for presentation to the police court.

Dairy farms on which milk and cream were lawfully produced for sale in the District of Columbia during the fiscal year 1918, number and distribution of, with certain data pertaining thereto, and corresponding figures for the preceding year.

	Dairy farms registered during year.				Cattle.			Tuberculin tested.			
	Beginning of year.	Registered.	Canceled.	Close of year.	Beginning of year.	During year.	Close of year.	Total.	Passed.	Reacted.	Suspicious.
Total:											
1917.....	1,236	184	281	1,139	21,044	1,251	22,295	11,347	10,922	367	58
1918.....	1,139	185	193	1,131	22,295	721	21,574	15,269	14,715	448	106
District of Columbia:											
1917.....	31	6	12	25	611	194	417	44	44	.....	.....
1918.....	25	1	6	20	417	119	298	1,206	1,104	12	.....
Maryland:											
1917.....	747	95	168	674	10,592	760	9,832	3,958	3,767	173	18
1918.....	674	98	126	636	9,832	35	9,797	3,739	3,579	133	27
Virginia:											
1917.....	427	80	74	433	9,096	2,584	11,680	7,288	7,054	194	40
1918.....	433	86	61	468	11,680	531	11,149	10,086	9,709	298	79
Pennsylvania:											
1917.....	25	1	25	1	519	359	160	.....	.....	.....	.....
1918.....	1	.....	.....	1	160	5	165	199	194	5	.....
West Virginia:											
1917.....	6	2	2	6	226	20	206	57	57	.....	.....
1918.....	6	.....	.....	6	206	41	245	39	39	.....	.....

Supervision of dairies and milk shops.—The following table shows the number and distribution of the dairies and milk shops lawfully supplying milk in and for the District of Columbia during the fiscal year 1918, and the frequency of inspections.

Dairy farms on which milk and cream were lawfully produced for sale in the District of Columbia during the fiscal year 1918, number and distribution of, with certain data pertaining thereto, and corresponding figures for the preceding year.

	Inspections of farms.	Average frequency of inspections of each farm during the year.	Average number of farms inspected per inspector per day worked.	Inspections of cattle.	Average frequency of inspections of each animal.
Total:					
1917.....	4,423	3.77	2.87	67,810	3.06
1918.....	4,035	3.56	3.68	56,075	2.57
District of Columbia:					
1917.....	406	16.24	.26	3,949	9.47
1918.....	267	13.35	.65	3,099	10.39
Maryland:					
1917.....	2,372	3.36	1.53	32,176	3.27
1918.....	1,224	1.92	1.76	10,358	1.54
Virginia:					
1917.....	1,584	3.56	1.02	30,504	2.61
1918.....	2,529	5.40	1.52	41,946	2.90
Pennsylvania:					
1917.....	37	1.42	.024	478	.92
1918.....	1	.01	.003	250	.15
West Virginia:					
1917.....	24	4.00	.015	703	3.41
1918.....	14	2.33	.019	422	2.25

Chemical and bacteriological control of milk supply.—There were 7,436 samples of milk and 248 samples of cream collected and analyzed during the fiscal year. Details as to results appear in the following table and in the report of the chemist printed in the appendix.

Fiscal year.	Milk (7,436 samples) in 1918 containing—			Cream (248 samples) in 1918 containing—	
	Less than 3.5 per cent fat.	3 per cent fat and less.	Added Water.	Less than 20 per cent fat.	18 per cent fat and less.
	<i>Per cent.¹</i>	<i>Per cent.¹</i>	<i>Per cent.¹</i>	<i>Per cent.¹</i>	<i>Per cent.¹</i>
1912.....	3.44	1.19	1.20	70.07	20.92
1913.....	4.89	.45	.63	64.92	12.54
1914.....	4.69	.44	.97	48.27	17.91
1915.....	7.71	3.03	.76	57.73	17.16
1916.....	8.52	.83	1.22	61.39	22.47
1917.....	10.63	.69	1.50	64.09	28.44
1918.....	18.02	3.49	1.57	68.09	36.61

¹ Per cent on basis of all samples of milk or of cream, respectively, examined.

The increase in amount of low-grade milk and cream coming into the District of Columbia and the increased frequency of watered milk are, as stated in the report of last year, probably due to the high cost of producing milk and to the high price for which it was sold during the year. Another factor leading to a deterioration in the milk supply is that much milk and cream have been brought into the District of Columbia from dairy farms not subject to inspection by representatives of the health department.

A number of cases have been referred to corporation counsel for prosecution in the police court on the charge of bringing or sending into the District of Columbia milk or cream without permits so to do.

It is hoped that when these cases are presented to the court such heavy penalties will be imposed that may have a deterrent effect on these unlawful shippings.

Bacteriological examinations were made of 1,173 samples of milk and cream during the fiscal year. The following table shows results of such examinations:

Milk and cream in the District of Columbia: Bacteriological examinations of 1,173 samples during the fiscal year 1918.

NUMBER OF SPECIMENS.

	Bacteria per cubic centimeter.				Colon group.	
	Under 10,000	10,000 to 100,000	100,000 to 1,000,000	1,000,000 and over.	Present.	Absent.
Raw milk:						
From containers arriving by trolley or train.....		2	6	24	21	11
From containers as distributed to consumers.....	63	366	205	111	322	423
Heated milk sold as pasteurized: From containers as distributed to consumers..	155	95	76	72	151	245

PERCENTAGE OF SPECIMENS.

Raw milk:						
From containers arriving by trolley or train.....		6.25	18.75	75.00	65.63	34.37
From containers as distributed to consumers.....	8.45	49.13	27.52	14.90	43.22	56.78
Heated milk sold as pasteurized: From containers as distributed to consumers..	39.14	23.50	19.18	18.18	38.12	61.88

Grading of milk.—The milk grade of the dairies selling milk in the District of Columbia is computed monthly. A pamphlet showing such grading is printed each month by the health department, and will be mailed to any person upon written request.

Chemical control of foods other than milk and cream.—Samples of food, other than milk and cream, to the number of 398 were examined chemically during the fiscal year 1918. For detailed statement concerning this work see the report of the chemist on page 39 of this report.

BACTERIOLOGICAL LABORATORY.

The work of this laboratory has been discussed in connection with the work of the bureau of preventable diseases and the bureau of food inspection. See pages 16 and 51.

CHEMICAL LABORATORY.

The details of the work done in the chemical laboratory will be found in the report of the chemist on pages — of this report.

BUREAU OF SANITARY INSPECTION.

General nuisance inspection.—There were 9,003 complaints acted upon during the year. As a result 12,550 inspections were required to be made. Official calls, for purposes other than inspections, or for the service of notice inspectors in other districts, numbered

The total number of official visits made by the sanitary inspection force was approximately 45,304. Violations of laws and regulations for the prevention and abatement of nuisances were reported in 11,926 instances, and compliance was procured in 11,480 instances before the close of the fiscal year. The remaining 446 were pending at the close of the year.

Informations were filed in the police court in 425 instances, charging violation of the laws and regulations relating to public health. In addition to these cases there were 47 cases pending at the close of last year, making the total number to be accounted for 472. In 378 instances a plea of nolle prosequi was entered, personal bonds were taken in 27, collateral forfeitures in 12, fines imposed in 15, and 7 were acquitted, leaving undisposed of at close of the year 33. Fines and collateral collected amounted to \$126.

To procure the abatement of nuisances on property belonging to nonresident owners, 199 notices were served under the assessment system. In all but 5 cases the nuisances were abated by the owners. In the 5 cases the District government caused the necessary work to be done at a cost of \$37, which amount was assessed against the property.

Sanitary inspection of places of employment.—The inspection of printing offices was continued during the year, as was the systematic inspection of bakeries, lunch rooms, restaurants, and other similar places, in the interest of the health of persons employed therein.

The condition of the lunch rooms and similar establishments has been much improved.

Registration of stables, barber shops, laundries, privies, fowl and pigeon houses, and sewage-disposal systems.—The following table shows

the number of stables, barber shops, laundries, privies, fowl and pigeon houses, and sewage-disposal systems registered and under observation by the health department during the fiscal year 1918, the frequency with which such places have been inspected, and in a general way, the results.

Stables, barber shops, laundries, privies, fowl and pigeon houses, and sewage-disposal systems registered during the fiscal year 1918.

	Stables.	Barber shops.	Laundries.	Privies.	Fowl and pigeon houses.	Sewage disposals.	Lodging and tenement houses.
Registered at beginning of year.....	1,385	484	2,519	2,733	1,488	115	75
Registered during the year.....	16	91	178	58	158	.....	5
Abandoned during the year.....	127	72	420	85	15	6	3
On the register at the close of the year.....	1,274	503	2,277	2,706	1,621	109	77
Number of inspections during the year.....	877	1,226	1,434	2,066	(1)	152	152
Average frequency of inspections.....	0.6	2.5	0.5	0.7	(1)	1.3	2.0
Number of nuisances found.....	83	25	(1)	324	(1)	(1)	(1)

¹ Data not available.

Smoke inspection.—The following table shows the work done in the smoke-inspection service during the fiscal year 1918, with corresponding figures for the preceding year.

Smoke inspections during the fiscal years 1917 and 1918.

	1917	1918
Observations.....	8,530	7,221
Violations of law reported.....	1,466	1,217
Cases referred to corporation counsel.....	30	9
Cases of fines and forfeitures.....	27	.....
Cases of personal bonds taken.....	4	1
Cases nolle prossed.....	3	1
Cases acquitted.....	.....	.....
Cases pending.....	2	.....
Amounts of fines and forfeitures.....	\$280	\$100

Plants under observation.....	673
Number of inspections of plants.....	387
Reports of investigation, complaints, and letters.....	161

Enforcement of the weed law.—The practice heretofore adopted of devoting to the enforcement of the weed law such time and attention as can be spared from other more important duties devolving on the sanitary inspection service has been continued during the year.

Private hospitals and asylums.—During the fiscal year 1918, one license was issued to maintain a hospital for human beings.

Special duties of the sanitary inspection force.—In addition to the regular work of the sanitary inspection force much time has been spent in work properly belonging to the contagious disease service. This has been found necessary because of the limitation imposed by law upon the amount that can be expended for personal services for the enforcement of the laws relating to contagious diseases.

Cost of bureau of sanitary inspection.—The approximate cost of the sanitary-inspection service exclusive of smoke-inspection service, was \$17,079.77.

EIGHT-HOUR LAW FOR FEMALES.

Establishments coming within the purview of the eight-hour law for women during the year numbered 1,892. During the year 10,704 inspections were made; 147 complaints were received necessitating 104 inspections. Six violations of the law regulating the hours of labor of females were referred to corporation counsel for prosecution, resulting in personal bonds being taken in 2 cases, fines imposed in 3 cases, and 1 nolle prossed. The amount of fines and forfeitures was \$60. The cost of enforcing the eight-hour law for women during the year was \$4,653.52.

THE POUND SERVICE.

The total number of animals received at the pound during the fiscal year 1918 was 5,822, as follows—3,257 dogs, 2,555 cats, 7 horses, 2 cows, 1 mule. Dogs to the number of 1,518 were captured while running at large, and 1,739 were surrendered for destruction or quarantine by the persons having custody of them. Of the captured dogs 95 were tagged but not muzzled, 5 were muzzled but not tagged, and 1,418 neither tagged nor muzzled. The impounded dogs were disposed of as follows—2,782 were killed, 287 redeemed, 157 sold, 18 returned after quarantine. The fees collected through the activities of the pound service during the fiscal year 1918 were as follows: Fees, \$594, sales \$273.50, reimbursements for food \$3.

The total cost of maintaining and operating the pound service during the fiscal year was \$6,791.51. Deducting from this amount the fees, etc., collected, the net cost of the service was \$5,921.01. See table on page 60 for further details as to work done.

By reason of the continued prevalence of rabies in the District of Columbia, the Commissioners on July 5, 1917, again issued a proclamation requiring the muzzling of all dogs running at large, this requirement to be in effect until July 10, 1918.

BUREAU OF ADMINISTRATION.

On July 15, 1917, Dr. John L. Norris, assistant health officer, resigned to accept a commission in the National Army, and Dr. Wm. C. Fowler, chief of the contagious disease service was appointed to that position.

Correspondence and files.—During the year 11,823 letters and 4,747 oral complaints were received. The letters sent out by the department numbered 14,638. There were entered and filed 1,618 special reports by employees.

The cost of maintaining this bureau during the year was approximately \$11,090.91.

BUREAU OF VITAL STATISTICS.

Registration of births, stillbirths, and deaths.—Deaths in the District of Columbia, recorded by the bureau of vital statistics, during the year numbered 7,089. Deaths occurring outside of the District of Columbia, the remains being brought into the District for burial, numbered 693.

There were 7,519 birth certificates recorded during the year and 448 stillbirths.

Transcripts from records.—The following table shows the number of transcripts issued from the records of births, stillbirths, deaths, and marriages during the fiscal year 1918. The fees collected for these transcripts amounted to \$704; 191 transcripts were issued without fee to various bureaus and offices of the Government.

Transcripts issued during fiscal year 1918.

To whom issued.	Marriages.	Births.	Deaths.	Total.
Commissioner of Pensions.....	5	9	126	140
Police department.....		9	14	23
Juvenile court.....		15	3	18
Exemption boards.....			1	1
Adjutant General, United States Army.....			1	1
War Department.....			1	1
Fire department.....			2	2
District of Columbia attorney.....		1	1	2
Assessor.....			1	1
United States Marine Corps.....			1	1
War Risk Bureau.....			1	1
Associated Charities.....		2	2	4
United States Navy.....		1		1
Board of Children's Guardians.....		6		6
Fees charged.....	4	441	963	1,408
Total.....	9	484	1,117	1,610

Amount collected from fees, \$704.

Registration of physicians, dentists, undertakers, and midwives.—The following table shows the number of physicians, dentists, undertakers, and midwives on the registers of the health department during the fiscal year 1918:

	On register June 30, 1917.	Registered during year.	Known deaths during year.	On register June 30, 1918.
Physicians.....	1,915	154	9	1,960
Dentists.....	886	34		1,920
Undertakers.....	302	8		310
Midwives.....	91		3	88

¹ Licenses registered, 34; registered without licenses—Navy, 11; Army, 4; Public Health Service, 1; Marine Corps, 4.

Permit and complaint office.—The number of complaints received during the fiscal year 1918 was 4,748.

Cost.—The cost of maintaining and operating the bureau of vital statistics during the year was \$6,430.11. Fees for the issuance of transcripts amounted to \$704, leaving the net cost of the bureau during the year \$5,726.11.

LEGISLATION.

Amendments to the regulations governing public health were made during the year as follows:

COMMISSIONERS OF THE DISTRICT OF COLUMBIA,
EXECUTIVE OFFICE.

An Act To regulate the practice of podiatry in the District of Columbia.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That from and after the passage of this act it shall be unlawful for any person, for compensation, to practice podiatry in the District of Columbia without first successfully having passed such examination concerning his fitness as the health officer of the District of Columbia may prescribe. The health officer aforesaid shall conduct the examination.

No person shall be permitted to take the examination without first paying a fee of \$10 to the District of Columbia. None of the provisions of this act shall apply to regular practicing physicians or surgeons. Neither shall they apply to podiatrists who have been practicing podiatry in the District of Columbia for one year next preceding the approval of this act.

Podiatry (or chiropody) is hereby defined to be the surgical, medical, or mechanical treatment of any ailment of the human foot, except the amputation of the foot or any of the toes; and also except the use of an anesthetic other than a local one.

Whoever violates any of the provisions of this act shall be guilty of a misdemeanor, and, upon conviction thereof, shall be fined not less than \$50 nor more than \$100, or imprisoned not less than thirty days nor more than one hundred days, or both so fined and imprisoned.

Approved May 23, 1918.

ORDER REQUIRING THAT DOGS IN THE DISTRICT OF COLUMBIA BE MUZZLED.

COMMISSIONERS OF THE DISTRICT OF COLUMBIA,
EXECUTIVE DEPARTMENT,

July 5, 1917.

Ordered, That under the provisions of section 7 of the act of Congress approved June 19, 1878, entitled "An act to create a revenue in the District of Columbia by levying a tax upon all dogs therein, to make such dogs personal property, and for other purposes," the Commissioners hereby give notice that every dog in the District of Columbia shall, for a period of one year from and after the 10th instant, wear a good and substantial muzzle, securely put on, so as to prevent it from biting or snapping, and any dog going at large during said period without such muzzle shall be taken upon by the pound master and impounded.

Official copy furnished health department.

By order:

(Signed) D. J. DONOVAN, *Secretary.*

Officially published in the Washington Star and Times and the Herald and Post, July 7, 1917.

PERSONNEL.

The organization of the health department has been materially disarranged during the current year by reason of employees being called into the military service. Those called into service prior to the close of the fiscal year were as follows:

Health office status.	Name.	Service.	Rank.
Inspector-nurse.....	Miss Irene A. Jennings.....	Red Cross.....	Nurse.
Inspector.....	Percy Talley.....	Army.....	Drafted.
Chauffeur.....	Sylvester Woodfork.....	do.....	Do.
Bacteriologist.....	Dr. Joseph J. Kinyoun.....	Medical Reserve Corps.....	Major.

Since the close of the year, the following additional officers and employees have entered the military service:

Health office status.	Name.	Service.	Rank.
Inspector.....	Francis X. Dowd.....	Army.....	Drafted.
Do.....	John C. Morris.....	do.....	Do.
Clerk.....	James C. Maddox, jr.....	Navy.....	Yeoman.
Laborer.....	Wm. Stewart.....	Army.....	Drafted.
Chauffeur.....	Rhozier D. Brown.....	do.....	Do.
Inspector.....	Dr. Harry V. Neale.....	do.....	Second lieutenant, V. M. C.

Respectfully,

W. C. FOWLER, M. D.,
Health Officer.

The COMMISSIONERS OF THE DISTRICT OF COLUMBIA.

APPENDIXES
TO THE
REPORT OF THE HEALTH OFFICER
OF THE
DISTRICT OF COLUMBIA.

The publication of these reports as appendixes to the report of the health officer is not to be construed to mean that the opinions and recommendations set forth in them have been adopted by the health department.



APPENDIX A.

REPORT OF THE CHIEF MEDICAL INSPECTOR.

AUGUST 26, 1918.

Dr. WILLIAM C. WOODWARD,
Health Officer, District of Columbia.

SIR: I have the honor to submit the following report for the fiscal year ending June 30, 1918, of work done in the contagious-disease service, disinfecting service, and the public crematorium. The figures relating to administrative matters cover the fiscal year named. Those relating to morbidity and mortality cover the calendar year 1917.

COMMUNICABLE DISEASES.

Figures showing the prevalence and fatality of each of the reportable diseases will be found with the tables relating to the disease. There was a decrease in the number of reported cases of anterior poliomyelitis, tuberculosis, and whooping cough, and an increase in chicken pox, diphtheria, epidemic cerebrospinal meningitis, measles, pellagra, scarlet fever, smallpox, and typhoid fever.

Diphtheria.—During the calendar year 1917, 1,130 cases of diphtheria, including 3 Army and Navy cases, were reported, with 37 deaths (3.2 per cent), as against 647 cases and 33 deaths (5.1 per cent) in the preceding year.

Seven institutional outbreaks occurred, as follows, a very large percentage of cases reported being, however, carrier cases:

Institution.	Beginning of outbreak.	Cases.	Deaths
St. Ann's Infant Asylum.....	Feb. 15, 1917	48	.....
Bruen Home.....	Mar. 21, 1917	17	..... 2
Florence Crittenden Home.....	Mar. 25, 1917	5	.....
Bell Home.....	June 11, 1917	4	..... 1
German Orphan Asylum.....	Oct. 10, 1917	5	.....
Children's Hospital.....	Nov. 7, 1917	5	.....

A very small percentage of the cases were clinical diphtheria. If those in charge of institutions would culture every case upon admission and isolate each case pending the result of the culture, much good might be accomplished and outbreaks probably prevented. Should a diphtheria carrier be found, that fact would be discovered before much harm could be done.

From January 1, 1918, to June 30, 1918, 314 (including 59 Army and Navy) cases of diphtheria, with 17 deaths, as against 332 cases with 15 deaths for the preceding year, were reported.

Scarlet fever.—During the calendar year 1917, 584 cases of scarlet fever with 8 deaths were reported, as against 530 cases with 6 deaths

for the preceding year, an increase of 54 cases. The percentage of deaths to cases increased from 1.1 per cent to 1.4 per cent. From January 1, 1918, to June 30, 1918, 789 (including 147 Army and Navy) cases and 14 deaths were reported, as against 269 cases and 5 deaths for the corresponding period of the preceding year.

Institution.	Beginning of outbreak.	Cases.	Deaths.
Industrial Home School.....	Oct. 14, 1917	8	.....
St. Elizabeths Hospital.....	Apr. 24, 1917	8	.....

Typhoid fever.—During the calendar year 1917, 338 cases of typhoid fever with 49 deaths were reported, as against 308 cases with 46 deaths for the preceding year. While it is to be observed that there was an increase of 30 cases, the percentage of fatalities, however, decreased from 14.9 to 14.4 per cent. No milk nor institutional outbreaks of typhoid fever were discovered during the year.

Investigation of 338 cases of typhoid fever gave the following information:

Contracted outside of the District of Columbia.....	150
Contracted probably outside of the District of Columbia.....	2
Contracted from other cases.....	5
Contracted probably from other cases.....	1
Contracted from sources unknown.....	180
Total.....	338

The source of water supply used by these patients was as follows:

Potomac water exclusively.....	144
Well water.....	10
Spring water.....	0
Total.....	154

In 46.4 per cent of the cases in which information was obtainable the premises were well screened; 6.1 per cent of the patients had eaten raw oysters; 33.4 per cent had eaten raw vegetables; 27.2 per cent had eaten ice cream; 1.7 per cent had bathed at the bathing beach; 4.4 per cent had bathed in the river and at other places; 0.8 per cent had employed new domestics; 16.8 per cent had eaten meals outside their own home within two weeks of onset; 2.6 per cent had visitors at their home; and 0.2 per cent had visited other places where a case of typhoid fever existed.

From January 1 to June 30, 1918, 56 (including 3 Army and Navy) cases were reported with 16 deaths, as against 65 cases with 11 deaths for the corresponding period of the preceding year.

Smallpox.—During the calendar year 1917, 11 cases of smallpox were reported, all of which recovered. During the previous year 4 cases were reported with no deaths. During the first six months of 1918, 30 (including 1 Army) cases were reported.

The vaccination histories obtained from the patients were as follows:

Never vaccinated.....	6
Never successfully vaccinated.....	5
Total.....	11

Whooping cough.—During the calendar year 1917, 1,013 cases of whooping cough were reported with 18 deaths, as against 2,224 cases and 41 deaths during the previous year. During the first 6 months of 1918, 823 cases were reported (no Army or Navy).

Measles.—During the calendar year 1917, 3,807 cases of measles were reported with 14 deaths, as against 2,642 cases and 6 deaths during the previous year. During the first 6 months of 1918, 6,848 cases were reported, including 406 Army and Navy cases.

Four institutional outbreaks occurred, as follows:

Institution.	Beginning of outbreak.	Cases.	Deaths.
Bruen Home.....	Mar. 16, 1917	10	.....
St. Benedict's.....	Apr. 18, 1917	11	.....
St. Vincent's Orphanage.....	May 1, 1917	9	.....
St. John's Orphanage.....	Dec. 10, 1917	37	.....

Tuberculosis.—During the calendar year 1917, 1,006 cases of tuberculosis were reported with 633 deaths, as against 1,061 cases and 694 deaths during the previous year.

Pellagra.—During the calendar year 1917, 19 cases of pellagra with 14 deaths were reported, as against 16 cases and 9 deaths during the previous year. Of the 19 cases reported, 9 were white and 10 were colored.

Leprosy.—There were no new cases of leprosy reported. The department has still in its care one leper who came to Washington in June, 1914.

Acute anterior poliomyelitis.—During the calendar year 1917, 6 cases of acute anterior poliomyelitis with 2 deaths were reported, as against 39 cases with 6 deaths during the previous year. There have been no cases of the disease reported during the first six months of the calendar year 1918.

Epidemic cerebrospinal meningitis.—During the calendar year 1917, 33 cases of the disease were reported with 17 deaths, as against 6 cases with 4 deaths. During the first six months of the calendar year 1918, 108 cases of meningitis were reported with 22 deaths, of which 53 were Army and Navy cases.

ISOLATING WARDS.

The following table shows the number of patients treated at Garfield Memorial and Providence Hospitals, and the diseases for which said patients were treated, together with the total number of patient days during the fiscal year 1917-18.

Service rendered by the isolating wards of Garfield Memorial and Providence Hospitals during the fiscal year 1917-18.

Diseases treated.	Cases treated at public expense.				Private cases.			
	Number of patients.		Patient days.		Number of patients.		Patient days.	
	Garfield.	Providence.	Garfield.	Providence.	Garfield.	Providence.	Garfield.	Providence.
Chicken pox.....	1		10		3	2	26	38
Diphtheria.....	4	129		2,221		91		1,427
Diphtheria and scarlet fever.....	23	2	146	10	1	2	45	10
Epidemic cerebrospinal meningitis.....	1		467		20		342	
Erysipelas.....	11		25		3		58	
Measles.....	11	29	226	379	9	57	243	561
Scarlet fever.....	113		3,925		119		3,751	
Scarlet fever and measles.....	3		63		1		12	
Suspected scarlet fever.....	2		24					
Suspected diphtheria.....		18		75		10		42
Suspected erysipelas.....					1		2	
Suspected epidemic cerebrospinal meningitis.....	2		25		1		3	
Whooping cough.....	9		261		1		35	
Whooping cough and measles.....	1		59					
Total.....	170	178	5,231	2,683	159	162	4,517	2,078

DISINFECTING SERVICE.

During the fiscal year 1917-18, 2,513 premises were disinfected for the diseases named: Diphtheria, 867; scarlet fever, 697; small-pox, 51; tuberculosis, 828; meningitis, 55; poliomyelitis, 15; and pneumonia, 1.

The following articles were disinfected at the disinfecting station: Mattresses, 52; pillows, 98; rugs, 14; portiers, 5; bolsters, 9; carpets, 11; quilts, 43; pillow cases, 8; cushions, 6; coats, 1; blankets, 25; spreads, 6; suit cases, 3; sheets, 21; cap, 1; strop, 1; couch covers, 3; towels, 5; scarfs, 2; suits of underwear, 2; total, 326.

In the fiscal year 1916-17, 1,794 premises were disinfected and 1,486 articles.

PUBLIC CREMATORY.

During the fiscal year 1918, 509 bodies were cremated—93 adults, 157 infants, and 259 stillborn babies. The total cost of maintaining the crematory, including personal service, repairs, supplies, etc., was \$1,686.83.

Estimating the bodies of 157 infants as equivalent to 14 adult bodies, and excluding stillborn children altogether, an equivalent to 107 adult bodies were cremated. Figured on 107 adult bodies, the cost of cremation for an adult body was \$15.75.

There were 33 private cremations during the year, for which fees were paid amounting to \$925. Deducting this amount from the total cost of maintenance, the net cost to the Government for the maintenance of the crematory was \$761.83, and the cost of cremat-

ing each adult body required to be buried at public expense was \$10.15.

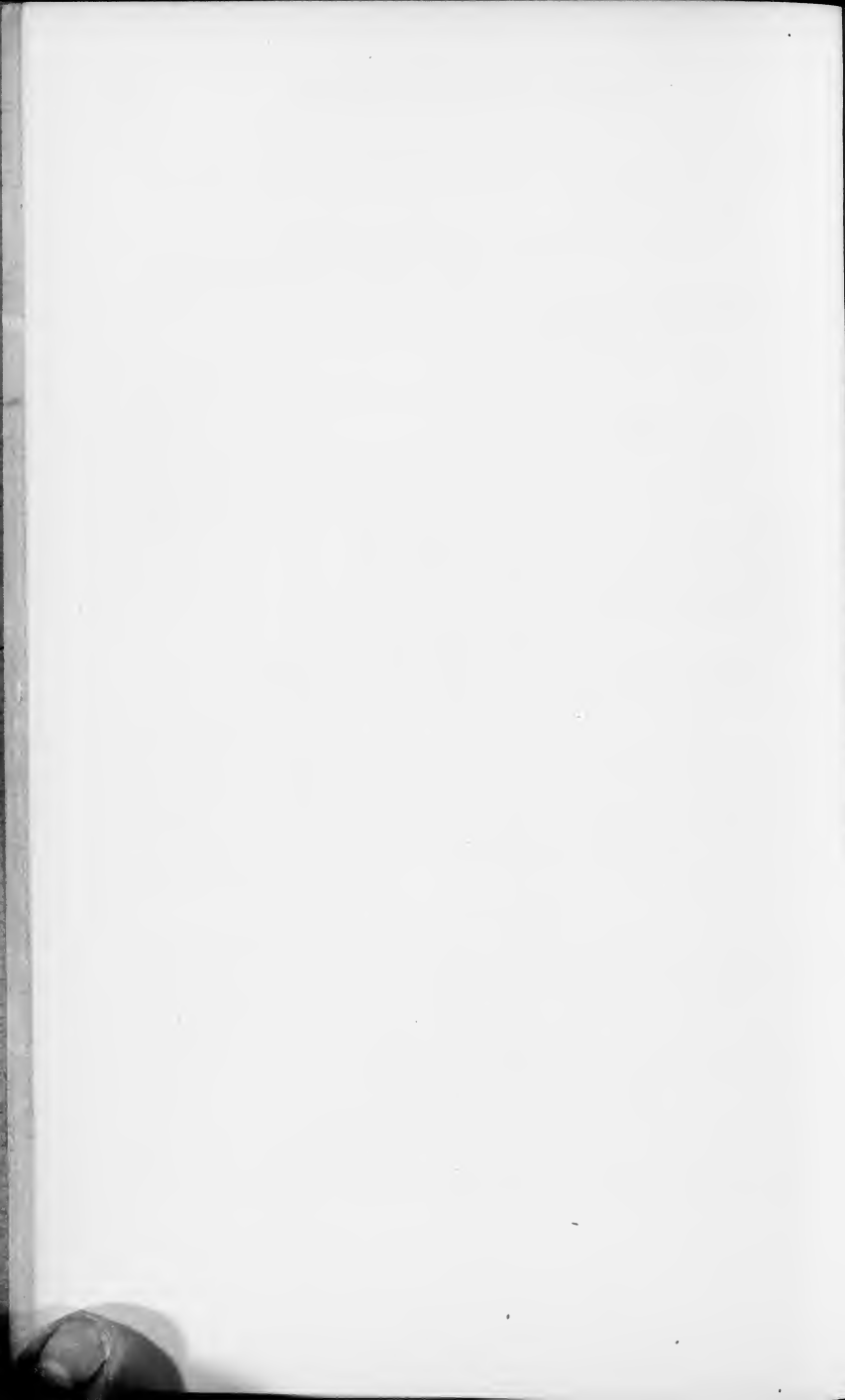
The crematorium was in operation during the year 103 days.

Very respectfully,

H. S. BERTON,
*Chief Bureau of Preventable Diseases and
 Director of Bacteriological Laboratory.*

Hospitalization of communicable diseases during the calendar year 1916-17, exclusive of cases treated in Army and Navy hospitals.

Diseases.	Cases reported.		Treated in hospitals.			
			Number of cases.		Per cent of all cases.	
	1916	1917	1916	1917	1916	1917
Diphtheria.....	647	1,127	221	253	34.1	22.4
Scarlet fever.....	530	527	173	231	32.6	43.7
Measles.....	2,642	3,465	50	130	1.9	3.7
Whooping cough.....	2,224	1,012	15	16	.7	1.5
Chicken pox.....	1,139	1,244	8	19	.7	1.5
Smallpox.....	4	7	4	7	100.0	100.0
Epidemic cerebrospinal meningitis.....	6	24	5	19	83.3	79.1
Anterior poliomyelitis.....	39	6	4	2	10.3	33.3
Typhoid.....	308	335	196	220	63.6	65.6
Fellagra.....	16	18	11	14	68.8	77.7



APPENDIX B.

REPORT OF THE CHIEF FOOD INSPECTOR.

JULY 1, 1918.

Dr. WM. C. WOODWARD,
Health Officer, District of Columbia.

DEAR SIR: I have the honor to submit the annual report relative to the operation of the food-inspection service during the fiscal year ended June 30, 1918.

Dairy farms.—A comparative statement showing the number and location of dairy farms from which milk is sold in the District of Columbia, the number of cattle on such farms, and the frequency of farm inspections, for the fiscal year 1917-18, is submitted. (See p. 19.) There was a decrease during the year of 8 in the number of dairy farms registered and a decrease of 721 in the number of cattle.

The small decrease in the number of licensed farms is remarkable considering the large number of men having been drafted for the National Army or left the farms for positions paying higher salaries at this time. All licensed dairy farms and applicants for licenses having been accepted were inspected within the past six months. Within the past year special attention has been given to the uniformity of scoring dairy farms by inspectors of the department. The purpose of the score card used in this connection with the inspection of a dairy farm is threefold: (1) To insure thoroughness on the part of the inspector; (2) to inform the dairy farmer with fullness and exactness of detail wherein his farm falls short of the ideal dairy farm; (3) to inform the health officer with such exactness as is possible by a written report of the conditions existing on the farm. Unless the score card accomplishes these results, it falls short of its purpose. In order that the dairy farm inspectors might use the score card so that its object will be accomplished, monthly conferences were held at the health office and on the dairy farms, at which time the various items of scoring were discussed and a definite decision as to the correct score determined. These methods have resulted in very satisfactory scoring of dairy farms for the past year.

Tuberculosis and tuberculin testing.—Fifteen thousand two hundred and sixty-nine cattle on farms producing milk for sale in the District of Columbia were reported as being officially tested during the year. Of the cattle reported, 14,715 passed, 448 reacted, and 106 were regarded as suspicious. Reports from these herds which are regularly tested are still gratifying in that practically no reactions are noted. The percentage of tuberculous animals found increased from 3.3 to 3.6 per cent, due to the importing of new cows on the dairy farms already registered.

Dairies.—There was a decrease in the number of inspections of dairies this year, due in part to the fact that the inspector assigned to this work has been required, as heretofore, to devote a portion of his

time to investigating and obtaining data relative to unlicensed milk shippers sending milk into the District of Columbia.

Pasteurization and grading.—From the results of examination of specimens of milk sold in the District of Columbia it is evident that the pasteurization of milk should be under the control of the District government, and I so recommend; and further, that all milk sold here be required to be labeled as of a specified grade, such grades to be established by law.

Milk cans.—Approximately 25,180 milk cans being returned to producers were examined during the year. Of this number 465 were tagged so as to notify the owner that such cans were not suitable for the purpose for which they were being used. Invariably this tagging resulted in the discontinuance of the use of the cans for shipping milk.

Inspection of markets, groceries, and other places where foods are prepared for sale and sold.—There was an increase in the number of inspections of places of this character during the year, accounted for by the systematic routing of the inspection districts. This year no restaurant was granted a license by the health department until the applicant had placed the lunch room in a sanitary condition. It is my opinion that markets, grocery stores, and other places where food is sold should be equipped and constructed for the purpose to which such places are to be put to the satisfaction of the health officer, before being licensed each year. The percentage of prosecutions referred to the District branch of the police court for places of this character increased in fines and forfeitures 111.10 per cent over the year 1917.

Inspection of slaughterhouses.—There are 15 slaughterhouses in the District of Columbia, and they were examined 234 times. At the time of slaughter 268 cattle, 33 sheep, and 605 calves were inspected. The carcasses of two cattle were found to be unfit for food and were denatured with oil. It is recommended that all animals slaughtered in the District of Columbia for food be inspected and passed before their carcasses are permitted to be sold for food.

Communicable diseases of animals.—Two hundred and sixty dogs were reported to the health department as rabid, and were examined by the department veterinarians. The increase in the number of reports received was due to the fact that members of the police department had been ordered to report to the health department all cases where persons are found to have been bitten by dogs, and such cases have been received and acted upon.

Recommendations.—I recommend that an additional section to the regulations for the government of dairies and dairy farms be again recommended to the commissioners as follows: On and after July 1, 1918, all cattle on any dairy farm on which milk is produced for sale in the District of Columbia shall be free from tuberculosis, as demonstrated by the application of an official tuberculin test, the test to be applied once each year or as often as the health officer may deem it necessary.

It is further recommended that said regulations be amended so as to provide that no milk or cream brought or sent into the District of Columbia for sale or manufacture, or be sold, stored, held for sale, or offered for sale in this jurisdiction, unless said milk or cream be kept

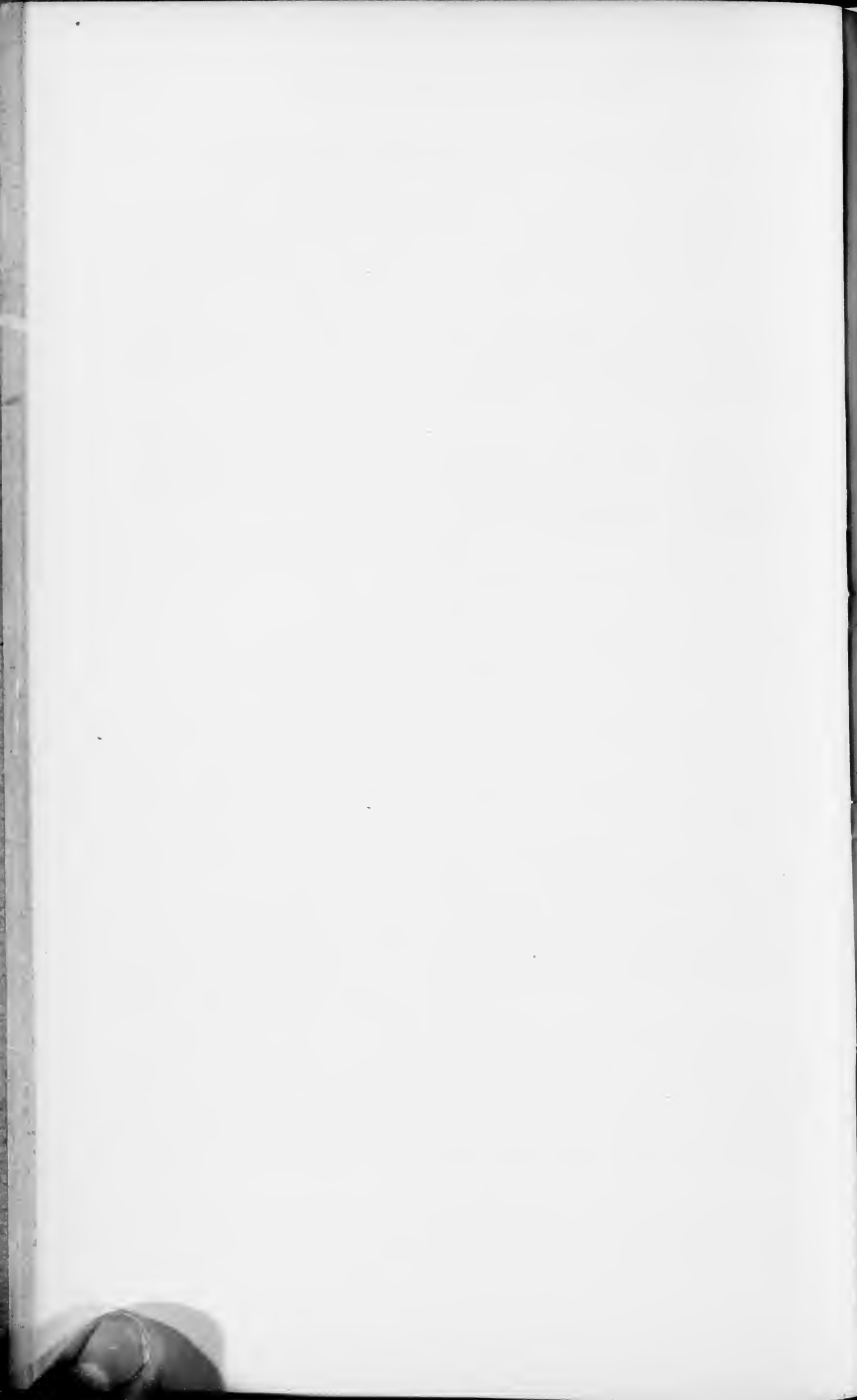
at a temperature not exceeding 50° F., and that no utensils used to receive the milk as secreted from the udder of the cow shall have an uncovered opening at the top exceeding 7 inches in diameter.

It is recommended that section 12a of an ordinance to prevent the sale of unwholesome food in the District of Columbia be amended so as to provide that no market, store, or stall where food is offered for sale and sold shall be established, maintained, or continued without a certificate from the health officer that the premises are in a sanitary condition and suited to the conduct of such business.

Recommendation is also made that the manager of every cold-storage plant in the District of Columbia be required to keep a record, accessible to the health department, of the movement of perishable food products into and out of his plant.

It is further recommended that all dealers, whether indoors or out, in meat or other food which is not commonly washed, peeled, or cooked before being eaten, be required to provide cases for displaying such articles, so that such food will be protected from flies and other insects, as well as to prevent indiscriminate handling of these products by prospective purchasers.

R. R. ASHWORTH, D. V. S.,
Chief Food Inspector.



APPENDIX "C."

REPORT OF CHEMIST.

AUGUST 5, 1918.

SIR: I have the honor to submit the following report relative to the work performed in the chemical laboratory during the fiscal year 1918.

During the year there was examined a total of 8,563 samples, as follows:

TABLE I.

Health department, examinations for—		
Candy.....	103	
Drugs.....	4	
Foods.....	8,165	
Water.....	153	
Miscellaneous.....	54	
	8,479	
Corporation counsel, examinations for.....	3	
Police department, examinations for.....	79	
Purchasing officer, examinations for.....	2	
	84	
	8,563	

A detailed tabular statement of the above articles, together with a similar statement for the fiscal year 1917, appears on page 61.

MILK AND CREAM.

The usual data concerning the collection of milk and cream samples, results of analyses, and results of prosecutions during the fiscal year 1918 are given in the following tables:

TABLE II.—Milk: Sources of samples collected, the number from each source, and the percentage from each source below standard during the fiscal year 1918.

Source.	Number collected. ¹	Per cent of total collections.	Below 34 per cent butter fat.	3 per cent and below.
District of Columbia dairymen.....	1,078	14.70	15.25	2.07
Stores, lunch rooms, etc.....	176	2.40	42.04	12.50
Wagons from—				
Maryland.....	783	10.67	21.83	4.72
Virginia.....	697	9.50	20.51	3.30
Union Station, from Maryland farms.....	1,777	24.24	17.95	3.54
Stations, from Virginia farms.....	2,822	38.49	16.05	3.96
Union Station, from other States.....				
Total.....	7,333			

¹ Does not include 103 samples of milk used for experimental purposes, examined for preservatives or acidity, or illegally shipped into this District.

TABLE III.—*Cream: Places where samples were collected, the percentage from each source of those found below standard, and the percentage from each source of those containing 18 per cent and less of butter fat during the fiscal year 1918.*

Source.	Number collected. ¹	Per cent of total collections.	Below 20 per cent fat.	Below 18 per cent fat.
District of Columbia dairyman.....	44	20.95	86.36	52.27
Stores, lunch rooms, etc.....	2	0.95	100.00	50.00
Wagons from—				
Maryland.....	15	7.14	86.67	60.00
Virginia.....	42	20.00	57.14	23.81
Union Station, from Maryland.....	54	25.72	61.11	31.79
Stations, from Virginia.....	50	23.82	64.00	34.00
Union Station, from other States.....	3	1.42	33.33	.....
Total.....	210	.....	.....	.....

¹ Does not include 38 samples of cream illegally shipped into this District.

TABLE IV.—*Milk and cream: Percentages containing less than the legally required amount of butter fat and the percentage of milk containing added water, annually during the 5 fiscal years ending 1918.*

Fiscal year.	Cream containing less than 20 per cent of butter fat.	Milk containing less than 3½ per cent of butter fat.	Milk containing added water.
1914.....	48.27	4.69	0.97
1915.....	57.73	7.71	.76
1916.....	61.39	8.52	1.22
1917.....	64.09	10.63	1.50
1918.....	68.09	18.02	1.57

TABLE V.—*Prosecutions for the sale of milk below standard, milk containing added water, and milk containing foreign matter, and cream below standard, in the District of Columbia during the fiscal year 1918.*

Sources of samples.	Prosecu- tions.	Results.			Pending June 30, 1918.
		Nolle prossed.	Tried.		
			Personal bonds.	Fines or forfeitures.	
Resident milk dealers	24	.....	(4) \$60	20
Stores, lunch rooms, etc.....	19	1	(13) 255	5	
By rail from—					
Maryland.....	33	.....	(12) 180	21
Virginia.....	63	3	(17) 260	43	
By wagon from—					
Maryland.....	23	.....	(11) 120	12
Virginia.....	17	.....	(4) 20	13
Total.....	179	4	(61) \$895	114	

NOTE.—Action was suspended in 40 cases during the year. Forfeitures and fines for illegal shipments aggregated \$35 (5 cases).

It will be noted that there has been a steady increase in the percentages of cream containing less than 20 per cent butter fat and of milk containing less than 3½ per cent fat during the last four fiscal years. The latter condition is probably due, as stated in

my report for 1917, to the wider introduction of Holsteins into the herds supplying this District. While the milk so produced is wholesome, it has a tendency toward lower fat content and increased volume, the latter condition being of great advantage to the producer in these days of high milk prices. The large proportion of cream in samples containing less than 20 per cent fat indicates, in my opinion, that our standard is somewhat too stringent.

The percentage of milk samples containing added water is about the same as last year, which is too high. Undoubtedly, the unsatisfactory status of the milk laws in this District, which condition, it is hoped, has now been relieved, had encouraged some shippers in the practice of watering milk. The unusually large demand for milk in the District, due to the influx of a large number of war workers and the high prices prevailing, have probably led to a greater amount of watering than usual. It is hoped that the more vigorous handling of these cases in the courts which was manifested during the past fiscal year will result in less watering in the future.

WATER.

During the year 153 samples of water were subjected to a sanitary chemical analysis, as follows:

TABLE VI.—Water.

Sources.	Total samples examined.	Good.	Suspicious.	Condemned.
Dairy farms.....	3	.....	3	.....
Private wells.....	24	12	6	6
Public schools.....	13	13	.....	.....
Public wells.....	72	46	12	14
Bottled waters.....	41	20	7	14
Total.....	153	91	28	34

All of the samples of water from dairy farms were classed as suspicious. From private wells, 50 per cent showed no evidence of pollution, 25 per cent were classed as suspicious, and 25 per cent were condemned. From public-school wells all the samples were free from injurious contamination. Of the samples from public wells 63.88 per cent were free from pollution, 16.34 per cent were classed as suspicious, while 19.78 per cent were condemned; 48.78 per cent of the bottled waters examined were free from injurious contamination; 17.07 per cent were classed as suspicious, while 34.15 per cent were condemned as polluted.

MISCELLANEOUS SAMPLES.

Bread.—Thirty-one samples of bread were analyzed, the composition and relative economy of the loaves being determined. The results indicated that the price of bread in the District of Columbia was about the same in January, 1918, as in January, 1917.

On the request of the United States Food Administration 11 loaves of bread were purchased in May and the net weight of each determined as also the weight of bread received by the consumer for each

cent spent. It appeared from the results that the cost of bread to the consumer had increased 12.8 per cent between January and May, 1918.

Butter.—Of the 17 samples sold as butter one was found to be oleomargarine. The defendant was fined \$20. The other samples were genuine butter, but in nine cases they were deficient in fat, contained excess water or salt, or both. In two of these cases action was suspended, while the others are pending.

Cheese.—A total of 52 samples of cheese was examined during the year. Of these 51 were legal, while 1 was deficient in fat. Action was suspended in this case.

Dried fruits.—Of the 30 samples examined 7 were free from adulteration, while the remaining 23 contained sulphur dioxide in excess of 350 milligrams per kilogram, the limit previously established by the United States Department of Agriculture. As the question of the sulphuring of food products is still under investigation by the Bureau of Chemistry, no prosecutions were recommended in these cases.

Hamburger steak.—Thirty-nine samples were purchased and examined for preservatives, artificial color, and wholesomeness. Of these, 35 samples were free from adulterants, while 3 were filthy, decomposed, and unfit for food. Collaterals of \$20 were forfeited in two of these cases, while one is pending. One sample was found to contain sodium bisulphite and the vendor was fined \$20.

Lard.—During the year 71 samples sold as lard were submitted for analysis. Of these, 66 were genuine lard, free from adulterants; 3 contained beef stearin, while 2 contained both cottonseed oil and beef stearin. Fines aggregating \$60 were imposed on the vendors of the adulterated samples.

Nut margarine.—This product, which has assumed quite an important rôle as a substitute for the high-priced butter, was sampled. Of the 33 samples analyzed only one was illegal, containing animal fat. This case is pending.

Oleomargarine.—Of the 15 samples purchased as oleomargarine 10 were legal, 2 were slightly deficient in fat, 2 were deficient in fat and contained excess water, while 1 was a nut margarine. No prosecutions were recommended in these cases.

Oysters.—The practice of many oyster dealers of shucking their oysters into a vessel containing a layer of water seems so fixed that it is difficult to break them of it in spite of the fact that it has been demonstrated to them that a watered product results. Their persistence in this bad habit, together with careless or too long washing of the oysters, has led to the sale of much "watered stock" in this District. This is, of course, a double fraud, as a watered oyster swells and appears to the average consumer of finer quality than it really is. Furthermore, since the watered oyster absorbs a substantial amount of water, the consumer is paying oyster prices for water.

Of the 81 samples of oysters submitted for analysis, 44 were unadulterated, 7 were classed as suspicious, while 30 samples contained substantial amounts of added water. Action was suspended in 17 cases, in 3 cases a nolle prosequi was entered, while fines and forfeitures aggregating \$170 were assessed in the remaining cases.

Sugar.—Twenty four samples of sugar were examined and found free from adulterants. One sample contained a trace of foreign vegetable tissue, probably derived from the bin in which the sugar had been stored.

Five samples of sugar which had been damaged by fire were submitted for analysis to determine if fit to use in the manufacture of sirups. Four samples were caramelized to such an extent that they were rejected, while one sample was passed.

Examinations for presence of "glass"—As a result of the publication of several sensational newspaper articles stating that ground glass had been found in various articles of food consigned to our soldiers and sailors and that this was part of a diabolical German plot, the public was thrown into a state of hysteria on the subject of "glass" in food products. Every time someone felt something gritty between his teeth, or suffered a slight attack of indigestion due to some dietary indiscretion, at once the newspaper articles were recalled and the cry of "glass" arose. As a result of this hysteria a total of 76 samples of a wide variety of food products was submitted to the laboratory to determine whether glass was present therein. Of these, 18 samples were submitted through the police department. Among the samples submitted were hominy, jelly, candy, ice cream, canned goods, cereals, sausage, cakes, bread, sugar, salt, milk, peanut butter, cheese, and cooked meat. Of the 76 samples examined glass in appreciable quantity was found in 16 cases. In many instances sand was found, and in one instance, a sample of rye meal, pieces of what appeared to be the burrs of a burr mill were found. In no instance was the character or quantity of the glass found such as to lead one to the conclusion that it had been added with malicious intent. I am of the opinion that in every case brought to the attention of this laboratory the presence of the glass in the food products was an isolated example of accident or carelessness.

I do not believe that a larger proportion of food products contain glass now than before the war. If we had looked for glass four years ago, we would probably, in my opinion, have found as large a proportion as during the fiscal year 1918.

Examinations for the police department.—The examinations for the police department fall under four heads: (1) Examinations for blood or seminal stains; (2) examinations for the presence of poison or glass; (3) examinations for alcoholic content; (4) examinations for violations of the pharmacy act.

Examinations for blood stains.—Three articles of clothing, a fence picket, a knife, and an iron bar were submitted. Two of the articles of clothing were found to contain blood stains, as was the fence picket which, it is alleged, was used by a negro in murdering a soldier. The iron bar, alleged to have been used in a very brutal murder, was found to contain stains responding to tests for blood. These cases are pending.

Examinations for the presence of poisons or glass.—Eighteen samples, suspected to contain glass, have been mentioned above. Fourteen samples were submitted for analysis to determine whether poisonous substances were present. All were found free from poisons or other injurious substances, with the following exceptions: One sample of coffee was found to contain oil of turpentine; a sample of peptomangan contained phenol or carbolic acid; a capsule was found to contain strychnine; while two powders, alleged to have been intended for poisoning a horse, were found to contain arsenic and barium carbonate. These cases are pending.

Examinations for alcoholic content.—Since the Sheppard prohibition law went into effect a number of varieties of "near beers" and cereal beverages have entered the Washington market. Twelve samples, comprising 11 different brands, were submitted and examined for alcoholic content. In every instance the beverages of this type were found to have a very low alcoholic content, usually about 0.30 per cent by weight. Five samples of the "hot" and "tonic" types of beverage were also found to have low alcoholic contents. Of the four liquids suspected to be beer, three were found to contain between 1.75 and 2 per cent, by volume, alcohol, while the other contained 2.8 per cent, by volume, alcohol. The defendant in the latter case was found guilty of selling liquor to soldiers and was sentenced to serve 10 months in jail. Of the 11 liquids suspected to be whisky, 5 appeared to be whisky from their alcoholic contents and physical and chemical properties; 4 were diluted whisky; 1 was apparently composed of whisky, water, and sugar; and 1 contained less than 0.50 per cent alcohol. These cases are pending.

Examinations in re violations of pharmacy act.—These included the analyses of two samples of insect powder which were found to be properly labeled in accordance with the law. Three samples of "Corbin's Wonderful Rheumatism Remedy," were found on analysis to consist chiefly of whisky and water, containing a trace of resin guaiac in solution and a piece of the undissolved resin at the bottom of each bottle. The quantity of guaiac in solution was so small that in order to get a medicinal dose (15 grains) the "patient" would have to take a whole bottle of the "cure," in which case he would probably be intoxicated beyond sensation. This case was dismissed because it was not proved that the defendant peddled the product on the streets. This department has filed an information for violation of the Federal food and drugs act against the defendant and the case is pending.

Time consumed in police department work.—During the fiscal year 1918 the chemist spent 58 working days, or 19.6 per cent of his working time, on analytical and court work for the police department. The assistant chemist also performed work for the police department during 9 days, or 3 per cent of his working time for the year.

A number of other samples were submitted by the police department and these, together with other miscellaneous samples submitted during the year, appear in the detailed statement appended to this report.

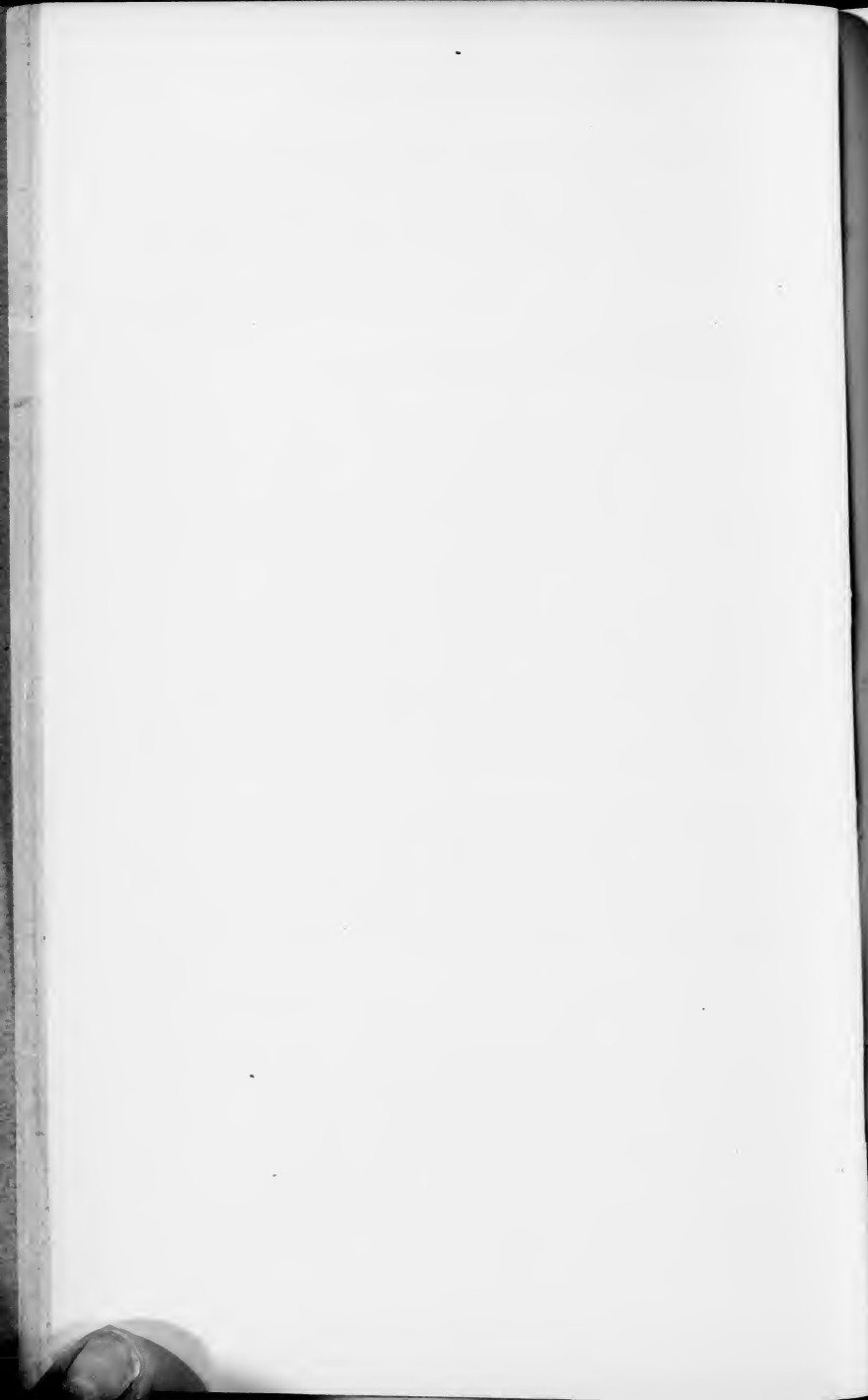
Recommendations.—It is recommended that that portion of the act of February 17, 1898, relating to standards for milk and cream sold in the District of Columbia be amended so as to read: "Eighth. In the case of milk, if it contains less than three and one-quarter per centum of fat, less than eight and one-half per centum of solids not fat, or more than eighty-eight and one-quarter per centum of water." "In the case of cream, if it contains less than eighteen per centum of butter fat." This is requested so that our standards may be in harmony with those recommended by the commission on milk standards and the Association of Official Agricultural Chemists.

It is recommended further that the public passageway through the laboratory be closed. The almost constant traffic is a source of great annoyance to the laboratory force and interferes with the work at

times. By closing the passageway it would be possible to lock the laboratory and prevent the entrance of strangers in the absence of the chemist or his assistant, which is now impossible. At the same time, it will be possible to utilize the closed passageway as a store-room, which is badly needed by the laboratory. The details of this project are given in the estimates for maintaining the laboratory during the fiscal year 1920.

M. A. POZEN, B. S., Phar. D.,
Chemist.

WM. C. WOODWARD, M. D.,
Health Officer, District of Columbia.



APPENDIX D.

REPORT OF SEROLOGIST.

JULY 13, 1918.

SIR: I have the honor to submit the following report of the activities of the biological laboratories during the fiscal year 1918:

The laboratories examined and reported upon 20,418 specimens during the year.

BACTERIOLOGICAL LABORATORY.

Diphtheria.—Cultures submitted for the diagnosis of diphtheria numbered 15,675, as against 10,172 during the previous fiscal year. This increase of 5,503 was due to an outbreak of clinical diphtheria in certain of the schools of the District at the beginning of the school year, and when clinical cases were diagnosed as such, cultures of contacts and possible contacts were made in order that incipient infections might be detected and that "carrier" cases might be detected and isolated, thus preventing a widespread epidemic. Of the 998 primary positive cultures examined, 694 were from carrier cases and 304 from clinical cases.

I would strongly recommend that the department should require that two successive negative cultures be obtained from the nose and throat of the diphtheria patient before the case is released from quarantine. The bacteriologist has on record several cases wherein the culture from a patient is shown as being negative upon one examination and a few days later a culture from the nose and throat of the patient would show nearly a pure culture of the *B. diphtheriae*. These studies were made upon patients in institutions where the cases could be controlled by the department and served to prove the contention that a single negative is a dangerous criterion. This may hold because of faulty technic in making the culture or because the too liberal use of throat antiseptics so attenuates the bacillus that it will not grow on artificial culture media, but, whatever the cause, it would seem to be a "safety-first" measure to require the two negative cultures, about three or four days apart, instead of one as formerly.

Tuberculosis.—There has been a marked decrease in the number of examinations of specimens for the diagnosis of tuberculosis during the year, 1,292 being submitted in 1918, whereas there were 1,589 sent to the laboratory in 1917. This is not easy to understand, because, on account of the almost 30 per cent increase in population in the District within the space of a year and the resultant crowded living conditions, it would seem illogical that there should have been anything but an increase in the suspected cases of tuberculosis. It might be well to bring to the attention of the physicians of the city that with the excellent equipment in this laboratory and the uniformly good results from the use of the technic of Kinyoun and

Dieter, the department is in a position to render them valuable assistance in the diagnosis of their laryngeal, bronchial and pulmonary cases. It might be noted in the passing that only one institution in the District submits its suspected sputum to the department for diagnosis. It seems to me that it would facilitate the work of both the various institutions and the department as well if they would send their sputa to this laboratory for diagnosis. It would release their pathologists for duties that might be more pressing and would aid the department in recording positive cases, which is done automatically upon the identification of the tubercle bacillus.

Typhoid fever.—The typhoid bacillus has been isolated from the excreta of persons on dairy farms that supply milk to the District in two instances. The shippers' licenses were suspended until the persons were proven free of the infection, which undoubtedly controlled what might have developed into a serious situation. Fewer specimens from suspected cases were submitted during the year and of the 390 blood samples tested 139 gave a positive reaction.

I wish to reiterate, with emphasis, the suggestion made by the bacteriologist in his last annual report that all who handle food be required to pass an examination to determine their freedom from typhoid. This would eliminate a possible means of transmission which might have a strong bearing on typhoid control in the future.

Drinking fountains.—Investigations of the various kinds of drinking fountains have been continued throughout the year, but none of the manufactured types has been found satisfactory from a sanitary standpoint. However, after many attempts, a fountain has been perfected by Dr. Louis V. Dieter, the bacteriologist of the department, which has passed some rather severe bacteriological tests and I would recommend that its various improved features, both sanitary and mechanical, be brought to the attention of the commissioners with the idea of their adopting this type for use in the District of Columbia. I have found in my tests that it is practically impossible to contaminate the source of the stream or the stream itself in the course of the laboratory experiments, which means that contamination would be even less possible when drinking from it in the ordinary manner. I consider this type as being in a class alone as really sanitary.

Swimming pools, etc.—Examinations of the waters of the swimming pools, wading pools, and municipal bathing beach have been made at regular intervals during the year. In some instances where instructions issued by the department have been observed the sanitary conditions, as exemplified by lowered bacterial content, have improved somewhat. Those which have been shown to be not as sanitary as might reasonably be expected have been brought to your attention in special reports from time to time during the year.

A very extensive and comprehensive study was made of the efficiency of the ultra-violet ray sterilizing apparatus installed in the Dunbar High School. The findings of this investigation have been conveyed to you in a special report.

Public and private wells and water supplies.—Careful analyses have been made of the various public wells in conjunction with the chemist and several of those found to be in a filthy condition have been closed on the recommendation of the department. Analyses were made also of several private wells and sources of supply upon request of owner or occupant of the premises supplied.

Milk and cream.—Bacteriological examinations of milk and cream have been continued as during the previous year. Because of the fact that a large number of the local dealers have retired from the milk business during the year, the laboratory wanted to undertake a complete and thorough survey of the entire supply of milk coming into the District but has been handicapped by two factors—the inability to get and keep a trained assistant for the bacteriologist and in lack of adequate transportation facilities. The latter slows up the work and the former brings it to an almost complete standstill. Owing to the great demand for trained men because of the inroads into laboratory ranks made by the war and the rapidly decreasing numbers in training, the salaries offered by private concerns seem more attractive than that which it is allowed us by law to pay.

Milk as delivered to the consumer has been carefully analyzed and our results show that there is much to be desired. Both the *B. coli* and total bacterial content can be still further reduced by more careful handling and pasteurization.

Special investigations.—Bacteriological examinations were made during the year of the soft drinks and mineral waters sold in the District. Two kinds of the mineral waters were found to be filthy and unsanitary and upon action by the department one bottler is out of business and the other has taken steps to remedy the condition. Bacterial controls have been run upon methods used in hotel and lunch-room kitchens for washing dishes, knives, forks, spoons, etc., the results showing that there is the greatest room for improvement. Animals were injected with the growth from the inoculated culture medium. A special report of the results of these investigations is now being prepared by the bacteriologist.

SEROLOGICAL LABORATORY.

During the year the laboratory allotted to the serological diagnosis of disease and that for the propagation of diphtheria antitoxin and typhoid vaccine has been equipped and supplied as well as has been possible on account of the existing war conditions, and work has been started. Considerable difficulty has been experienced in procuring laboratory equipment and supplies formerly obtained by import, but these conditions are being met by American manufacturers very rapidly.

Serological diagnosis.—The Wassermann reaction is being performed without charge for the physicians whose patients are unable to pay the usual fee charged by the private laboratories. The outfit for the collection of specimens is furnished by the department. There is no doubt that this department of the laboratory service will be well patronized now that the physicians are becoming acquainted with the facilities at their command.

Diagnosis of gonorrhea.—Outfits for the collection of specimens for the determination of the presence of the *M. gonorrhoeae* are furnished by the department, and these examinations are being made without charge for the physicians. In reporting both the Wassermann reactions and the examination for gonococci a system has been established whereby a number is given each specimen. This number is on

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Serological diagnosis.—The Wassermann reaction is being performed without charge for the physicians whose patients are unable to pay the usual fee charged by the private laboratories. The outfit for the collection of specimens is furnished by the department. There is no doubt that this department of the laboratory service will be well patronized now that the physicians are becoming acquainted with the facilities at their command.

Diagnosis of gonorrhea.—Outfits for the collection of specimens for the determination of the presence of the *M. gonorrhoeae* are furnished by the department, and these examinations are being made without charge for the physicians. In reporting both the Wassermann reactions and the examination for gonococci a system has been established whereby a number is given each specimen. This number is on

an identifying card held by the physician and the same number is on the report card so that should the card be lost in transit between the laboratory and the physician for whom it is intended no unauthorized person may get any information in regard to the examination. As these results are not a matter of public record the advantages are obvious.

Cerebrospinal meningitis.—Examinations are made of smears from the nasopharynx of persons having contact with cases of cerebrospinal meningitis when the causative organism has been shown to be the meningococcus, in order that any person found to be infected or a carrier may be isolated and treated until the infection is eradicated. All patients suffering from this disease are proven free from infection by two successive, negative, nasopharyngeal cultures before they are released from quarantine.

Diphtheria antitoxin.—Diphtheria antitoxin has been prepared, refined, and concentrated, and has been put up in handy, ready-to-use syringes in proper doses, both prophylactic and therapeutic, for administration. This antitoxin is distributed free by the department to those who are indigent or to whom it would be a hardship to be forced to pay for the product of the private manufacturers. A written request is required and also a statement from the physician that he will make no charge for administering the antitoxin. Sufficient antitoxin is on hand for all ordinary demands and the stock is kept fresh and potent at all times.

Typhoid vaccine.—Vaccine for protection against typhoid fever has been prepared and is given free to anyone making application therefor. The injections are given by representatives of the department each Saturday, between 12 and 1 o'clock, in room 8 of the District Building.

Special investigations.—Researches were made during the year on the biological identification of animal tissues. Rabbits were immunized against the blood serum of sheep, goat, horse, and dog, and precipitation tests made on extracts from the muscle tissue of meat purchased as mutton by the food-inspection service. Differentiation between species was possible, but the reactions were so similar as given by genera of the same species that the method was abandoned as impractical for food-inspection work. These results bear out the findings of the greatest authorities on the subject, notably Nutall, of England, and Molinari, of Italy, whose researches included testing the reaction in the blood of several hundred species and genera of both warm and cold blooded animals.

Herewith is a table showing numerically the various examinations made in the laboratories.

BACTERIOLOGICAL LABORATORY.

	Six months, July 1, 1917, to Dec. 31, 1917.			Six months, Jan. 1, 1918, to June 30, 1918.			Grand total.
	Posi- tive.	Nega- tive.	Total.	Posi- tive.	Nega- tive.	Total.	
Diphtheria:							
Primary cultures	750	8,027	8,777	248	2,771	3,019	11,796
Secondary cultures	771	2,046	2,817	338	724	1,062	3,879
Sputum for tubercle bacilli	149	412	561	155	576	731	1,292
Blood for Widal reaction	117	79	196	22	182	204	390
Urine and feces for typhoid bacilli	2	12	14		2	2	16
Blood for malaria		61	61		38	38	99
Ophthalmia	4	7	11		9	9	20
Milk and cream			583			590	1,173
Water, wells, etc.			127			196	323
Swimming pools, etc.			407			259	666
Milk for tubercle bacilli			11			11	22
Miscellaneous			67			266	333
Grand total							20,009

SEROLOGICAL LABORATORY.

	Posi- tive.	Nega- tive.	Total.	Posi- tive.	Nega- tive.	Total.	Grand total.
Wassermann				5	18	23	23
Gonococcus				10	19	29	29
Meningococcus	3	38	41	6	310	316	357
Grand total							409

Respectfully,

W. F. LANDON,
Director Biological Laboratories.

WM. C. WOODWARD, M. D.,
Health Officer, District of Columbia.



APPENDIX E.

REPORT OF CHIEF SANITARY INSPECTOR.

AUGUST 6, 1918.

Dr. WM. C. WOODWARD,
Health Officer, District of Columbia.

DEAR SIR: I have the honor to submit the annual report relative to the operations of the bureau of sanitary inspection during the fiscal year 1918. Tables showing the work done during the year named appear on pages 58 and 59.

Organization.—The working force of the bureau of sanitary inspection, exclusive of the inspectors provided for the enforcement of the eight-hour law for females, was organized as follows: One chief sanitary inspector, \$1,800; one assistant chief sanitary inspector, \$1,400; eight inspectors, at \$1,200; two inspectors at \$1,000; three inspectors at \$900; total force, 15; total salaries, \$17,500.

Work done.—The following is a summary of the work done:

Complaints acted upon.....	9,306
Inspections on complaint.....	12,550
Reinspections.....	19,878
Official calls other than calls made for the service of a notice outside of assigned inspection districts.....	20,879
Notices served outside of assigned inspection district.....	3,570
Number of inspections and character of places inspected of which no complaint was made and not included in the inspections on complaints:	
Baby farms.....	32
Barber shops.....	1,226
Baking establishments.....	122
Cemeteries.....	8
Hospitals and asylums.....	86
House-to-house inspections.....	4,626
Lodging and tenement houses.....	152
Laundries.....	1,434
Privies.....	2,066
Public baths.....	2
Public buildings.....	64
Playgrounds.....	25
Printing offices.....	143
Public schools.....	487
Sewage-disposal systems.....	152
Stables.....	877
Tailor shops.....	158
Theaters.....	131
Undertaking establishments.....	16
Unclassified.....	303
Total.....	12,110

Violations of laws and regulations for the prevention and abatement of nuisances were reported in 11,926 instances. Action was taken to correct the condition found, and 11,480 were corrected prior to the close of the fiscal year. The difference, 446, represents the number of cases for which notices were outstanding. There were 20 complaints outstanding at the close of the year.

Prosecutions.—Informations were filed in the police court against 425 persons, charging violations of the laws and regulations relating to the public health, exclusive of the smoke law. These cases were disposed of as follows: Nolle prosequi was entered in 378 cases; personal bonds were taken in 27 cases; collateral forfeited in 12 cases; and fines were imposed in 15 cases. There were 33 cases pending at the close of the fiscal year. The amount of fines and collaterals was \$126. The same system prevailed during this year as prevailed previously, the assistant corporation counsel entering a nolle prosequi whenever the nuisances for the maintenance for which the defendants were charged had been abated before the cases were called to trial, although not abated until after the cases had been submitted for prosecution. Inspectors' time spent in the police court amounted to 78 working-days.

Abatement of nuisances under assessment system.—Under the assessment system 199 notices were served on nonresident owners for the abatement of nuisances on property owned by them in the District of Columbia. In all but 5 cases these nuisances were abated by the owners without the necessity of further action by the commissioners. In the 5 cases in which the abatement was not done by the owners the District caused the necessary work to be done at a cost of \$37, which was assessed as a tax against the property upon which the nuisance had existed.

Printing offices.—During the year 143 inspections were made of printing offices, an average of one time for each office. Particular attention was given to composing rooms. During the year the sanitary and structural condition of many of these places were greatly improved.

Hotel kitchens.—Sanitary inspections of hotel kitchens began in March, 1918, and during the year 31 inspections were made. The proprietors of these establishments responded to the suggestions made and cooperated with the health department to better conditions, with the result that more natural light has been provided, ventilation and structural conditions generally greatly improved, and equipment kept in better condition.

Stables, barber shops, laundries, privies, fowl and pigeon houses, and sewage-disposal systems.—Stables, barber shops, laundries, privies, fowl and pigeon houses, sewage-disposal systems, and lodging and tenement houses were registered during the year as shown in the table on page —.

Stables.—During the year 877 inspections were made and 177 nuisances discovered. The average frequency of an inspection of each stable was 0.6 times.

Barber shops.—During the year 1,226 inspections of barber shops were made, an average frequency of 2.5 times per each barber shop.

Laundries.—Inspections of laundries during the year number 1,434. The average frequency of inspection of each laundry was 0.5 times.

Privies.—On June 30, 1918, there were registered in this District approximately 2,733 privies, of which, however, 110 were in the city of Washington or in the suburbs adjacent thereto; 70 privies were abolished on notices served by the department, 5 by the operation of the board for the condemnation of insanitary buildings, and 10 for other causes. There were 2,066 inspections of privies, equivalent to each privy inspected 0.7 times during the year.

In 22 places in which privies were located upon land belonging to nonresidents the inspector of plumbing, engineer department, was requested to have the necessary sewer and water connections made under the assessment system, so that the box privies might be removed. At the close of the fiscal year 9 of these premises had been so connected.

Twenty-one permits for the maintenance of privies temporarily during building operations or other construction work were issued.

Weeds.—Three hundred and sixty-eight notices were served during the year under the provisions of the weed law, of which 47 were notices under the assessment system. In each instance the non-resident owner caused the weeds to be cut and removed from the property. In the absence of a special force for the enforcement of this law it is impossible to enforce it in any substantial manner.

Smoke inspection.—A statement showing the work of the sanitary inspector detailed to enforce the smoke law appears on page 22.

Inspectors detailed.—During the year sanitary inspectors were detailed for clerical duty for periods amounting to 113 days. One clerk was detailed in the clerical service to the sanitary service for 241 days. During the year no sanitary inspectors were detailed to the food service, nor were there any food inspectors detailed to the sanitary service.

Contagious-disease service.—The time consumed by sanitary inspectors on duty in the contagious disease service during the year amounted to 181 days.

Registration of vital statistics.—During the year 110 cases were investigated by sanitary inspectors in connection with the registration of births, involving the expenditure of approximately 10 working days.

Eight-hour female labor law.—The following is a summary of the work performed in the eight-hour female labor-law service.

Complaints acted upon.....	147
Inspections on complaint.....	104
Official calls made.....	592
Number of inspections made at various kinds of establishments:	
Manufacturing.....	1,435
Mechanical.....	824
Mercantile.....	5,440
Laundries.....	814
Restaurants.....	1,365
Telegraph and telephone.....	83
Express and transportation.....	194
Hotels.....	452
Tailor shops.....	53
Miscellaneous.....	44
1,892 establishments coming within the purview of the law were registered and classified as follows:	
Hotels.....	50
Laundries.....	136
Mechanical.....	150
Manufacturing.....	287
Mercantile.....	1,057
Restaurants.....	181
Telephone and telegraph.....	9
Express and transportation.....	22

At the close of the preceding fiscal year one case was pending in the police court for violation of law regulating the hours of labor of females. Six violations were reported during the year and referred to the corporation counsel for prosecution. These cases were disposed of as follows: One case was nolle prossed, in two cases personal bonds were taken, and in three cases fines were imposed, and one case was standing at the close of the year. The amount of fines and forfeitures was \$60.

Overtime.—Sanitary inspectors, exclusive of the supervising officer, worked 1,256 hours overtime during the year, equal to 308 working days.

Recommendations.—I renew my recommendations that the collection and disposal of manure be under the supervision of the District authorities; that the weed law be either repealed or some supervision made that will enable the health department to enforce it in a substantial manner; that the act for the prevention of smoke and for other purposes, approved February 2, 1899, be amended so as to include railway locomotives, steamboats, and portable engines; and that regulations be promulgated looking toward the supervision of the baby farms and other places where children are being kept for pay.

Respectfully submitted.

CHAS. R. HOLMAN,
Chief Sanitary Inspector.

APPENDIX F.

MISCELLANEOUS TABLES.

Work done by the sanitary inspection service during the fiscal year 1917-18, with reference to nature of nuisance and date of report.

	1917						1918						Total for 1917-18.	Total for 1916-17.
	July.	August.	September.	October.	November.	December.	January.	February.	March.	April.	May.	June.		
Alleys, filthy.....	22	28	18	15	14	5	5	17	54	52	72	50	352	368
Areas.....	17	18	20	17	9	11	6	.....	32	19	29	37	215	237
Cellars.....	27	30	28	19	9	6	14	13	23	21	53	52	295	292
Fowls.....	35	21	36	25	25	18	2	7	36	22	26	37	290	342
Lots:														
Filthy.....	18	27	20	14	15	13	3	11	73	26	35	31	286	324
Stagnant water.....	34	15	3	3	1	.....	.....	.....	18	24	13	7	118	162
Manure accumulations.....	22	20	7	5	6	6	5	5	24	13	21	26	160	130
Manure receptacles.....	24	20	8	28	12	5	6	5	43	11	15	36	213	262
Plumbing defective.....	5	7	10	23	14	18	50	16	28	20	18	27	236	111
Premises unwholesome.....	27	32	30	31	24	23	27	31	55	42	43	90	455	397
Privies:														
Full.....	6	6	7	3	35	4	4	8	21	16	21	14	145	72
Leaky boxes.....	11	3	2	1	12	.....	2	.....	13	11	21	11	87	41
Unlawful.....	8	15	18	7	5	1	.....	3	8	8	8	11	92	233
Roots, leaky.....	20	2	4	12	7	25	16	46	29	38	18	24	241	92
Sewer connections.....	18	6	23	13	13	15	1	4	20	6	1	1	121	426
Sewers, obstructed.....	143	94	129	128	106	101	166	93	172	148	159	176	1,615	1,139
Sheds, filthy.....	96	123	89	68	90	68	15	23	158	94	152	114	1,090	1,378
Stables.....	8	6	9	11	9	4	2	5	10	5	2	12	83	177
Yards, filthy.....	184	238	232	190	238	146	60	96	528	294	355	286	2,847	3,077
Water-closets.....	83	75	96	76	121	134	503	320	313	144	157	171	2,193	1,323
Weeds.....	134	95	129	4	.....	.....	.....	.....	.....	.....	.....	6	368	710
Unclassified.....	66	51	44	34	31	22	17	31	28	34	28	41	427	592

Number and character of inspections by the sanitary inspection service during the fiscal year 1918, with corresponding data for the preceding year.

	1916-17	1917-18
Inspections not on complaint:		
Baby farms.....	43	32
Baking establishments.....	93	122
Barber shops.....	1,085	1,226
Cemeteries.....	39	8
Hospitals.....	108	86
House-to-house.....	4,238	4,626
Lodgings and tenements.....	223	152
Laundries.....	1,460	1,434
Printing offices.....	406	143
Privies.....	1,177	2,066
Public baths.....	2	2
Playgrounds.....	46	25
Public buildings.....	94	64
Sewage-disposal systems.....	174	152
Stables.....	1,243	877
Schools.....	565	487
Tailor shops.....	130	158
Theaters.....	90	131
Undertaking establishments.....	6	16
Unclassified inspections.....	417	303
Total.....	11,639	12,110
Inspections on complaint.....	12,161	12,550
Reinspections.....	16,385	19,878
Official calls.....	16,992	20,879
Notices served outside of assigned inspection districts.....	2,466	3,570
Total.....	59,643	68,987

Systematic inspections made by the sanitary inspection service during the fiscal year ended June 30, 1918.

	1917						1918						Total for 1917-18.	Total for 1916-17.
	July.	August.	September.	October.	November.	December.	January.	February.	March.	April.	May.	June.		
Baby farms.....	16			12				2				2	32	43
Baking establishments.....	18	1	10	20	13	29	4	5	7	2	5	8	122	93
Barber shops.....	84	16	118	68	86	172	67	300	84	106	34	91	1,226	1,065
Cemeteries.....				2	3		2	1					8	39
Hospitals and asylums.....	1	1			1	3		36	4	19	18	1	86	108
House-to-house.....	196	99	388	567	871	504	139	154	754	216	501	237	4,626	4,238
Lodgings and tenements.....					6	59	23	9	9	5		41	152	223
Laundries.....	1	3	1	242	1	179	16	4	68	164	256	499	1,434	1,460
Privies.....	64	71	90	37	172	177	138	71	455	237	297	257	2,066	1,177
Public baths.....			2										2	
Public buildings.....	2	2		1		1	1	57					64	94
Playgrounds.....	5	1	5				1		1	9	2	1	25	46
Printing offices.....	8	4	13	41	13	30	7	3	16	6		2	143	406
Public schools.....	3	1	102	51	4	66	40	31	40	92	36	21	487	565
Sewage disposals.....	1	3	5	55	30	13	3		21	6	4	11	152	174
Stables.....	33	51	44	163	14	24	54	63	151	84	34	162	877	1,243
Tailor shops.....		3	30	13	2	9	34	3	8	27	3	26	158	130
Theaters.....			3	41	33		1	52		1			131	90
Undertaking establishments.....								5					16	6
Unclassified.....	12	22	16	21	45	17	15	25	70	19	19	20	303	417

Marine products received, inspected, and condemned in the District of Columbia, municipal fish wharf, during the fiscal year ending June 30, 1918.

	Arrivals.	Inspections.	Condemnations.	
			By request.	Without request.
Bass.....barrels.....	8423	801	$\frac{1}{8}$	$\frac{1}{4}$
Blue fish.....do.....	33	32		
Butterfish.....do.....	1,128	1,065		27 $\frac{1}{2}$
Carp.....single.....	17,343	16,465	209 $\frac{1}{2}$	659
Catfish.....bunches.....	40,754	39,084	314	475
Croakers.....do.....	5,808	5,439 $\frac{1}{2}$		67 $\frac{1}{2}$
Eels.....bunches.....	296 $\frac{1}{2}$	2,894	1	2
Flounders.....barrels.....	200 $\frac{1}{2}$	195 $\frac{1}{8}$		4 $\frac{1}{2}$
Herring.....single.....	1,452,584	1,399,046	2,695	4,945
Jacks.....do.....	8,767	8,110		85
Mackerel.....barrels.....	8,712 $\frac{1}{2}$	6,82 $\frac{3}{8}$	1 $\frac{1}{2}$	7
Mulletts.....bunches.....	2,003	1,927		7
Perch.....do.....	53,684	49,990	383	696
Pike.....do.....	1,895	1,846	9	6
Rockfish.....do.....	49,356	46,701	78	131
Shad.....single.....	194,314	188,259	62	159
Trout.....barrels.....	10,088 $\frac{1}{2}$	9,457 $\frac{1}{2}$	6	33
Whiting.....do.....	914	889		4 $\frac{1}{2}$
Pollock.....boxes.....	269	252 $\frac{1}{2}$		
Halibut.....do.....	101 $\frac{1}{2}$	97 $\frac{1}{2}$		1 $\frac{1}{2}$
Haddock.....do.....	35 $\frac{1}{2}$	33		2
Porgies.....barrels.....	96 $\frac{1}{2}$	95 $\frac{1}{2}$		$\frac{1}{2}$
Spots.....do.....	343 $\frac{1}{2}$	331		1
Squids.....do.....	8 $\frac{1}{2}$	6 $\frac{1}{2}$		$\frac{1}{2}$
Kingfish.....do.....	9	8 $\frac{1}{2}$		
Tilefish.....do.....	59	58		
Salmon.....boxes.....	35	32		
Sturgeon.....single.....	26	26		
Menhaden.....barrels.....	205	192 $\frac{1}{2}$		1
Winter shad.....do.....	307	292 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$
Lings.....do.....	1,247	1,224		10
Hake.....do.....	3	3		
Hogfish.....boxes.....	40	40		
Drumfish.....barrels.....	7 $\frac{1}{2}$	7 $\frac{1}{4}$		2
Codfish.....boxes.....	129	112	2	
Ciscoes.....do.....	4	4	$\frac{1}{2}$	
Smelts.....do.....	74	74		
Red snappers.....boxes.....	6	6		

Marine products received, inspected, and condemned in the District of Columbia, municipal fish wharf, during the fiscal year ending June 30, 1918—Continued.

		Arrivals.	Inspections.	Condemnations.	
				By request.	Without request.
Sheepshead.....	barrels..	8	8		
Crevallies.....	do.....	5	5		
Pompanos.....	boxes.....	8	7		
Salt herring.....	barrels.....	756	756		
Oysters.....	bushels.....	126,327	119,712		
Do.....	gallons.....	63,017	56,440	40	716
Clams.....	barrels.....	3,702	3,314½	6½	58
Crabs.....	do.....	3,919	3,659	37	143
Crab meat.....	gallons.....	15,179	12,441½	107	130½
Soft crabs.....	boxes.....	810	767	8	27
Shrimp.....	barrels.....	14½	14		
Turtles.....	single.....	953	941		29
Ducks.....	do.....	10,839	10,220		119
Geese.....	do.....	193	193	2	8
Muskrats.....	do.....	332	303		

Food products condemned in the District of Columbia during the fiscal year ending June 30, 1918.

		Condemned by request.	Condemned without request.	Total.
Beef.....	pounds.....	721	5,580	6,301
Beef kidneys.....	do.....	65	4	69
Mutton.....	do.....	3,986	18	4,004
Lamb.....	do.....	378	724	1,102
Veal.....	do.....		251	251
Pork.....	do.....	627	5,435	6,062
Liver.....	do.....	175	898½	1,073½
Sausage.....	do.....	6	1,297	1,303
Shoulder.....	do.....	15		15
Ham.....	do.....		189	189
Chitterlings.....	do.....		132	132
Pigs' feet.....	do.....	10	1	11
Pigs' ears.....	do.....		425	425
Chickens.....	number.....	1,738	279	2,017
Turkeys.....	do.....	24	23	47
Quail.....	do.....		34	34
Keats.....	do.....		14	14
Rabbits.....	do.....	79	1,399	1,410
Apples.....	bushels.....	39	221½	260½
Peaches.....	do.....	60	93	153
Plums.....	do.....	50		50
Dried fruit.....	pounds.....	20	73	93
Oranges.....	dozen.....		52	52
Bananas.....	do.....		9	9
Muskrats.....	number.....		8	8
Grapes.....	pounds.....	1,200	30	1,230
Berries.....	quarts.....	1,696	3,061	4,757
Cherries.....	do.....	132	19	151
Cantaloupes.....	number.....	1,450	2,554	4,004
Watermelons.....	do.....	1,032	6,408	7,440
Pumpkins.....	do.....		75	75
Grapefruit.....	do.....	480	125	605
Brussels sprouts.....	crates.....	6		6
Beets.....	do.....	1	1	2
Celery.....	barrels.....			
Nut kernels.....	bunches.....	3,212	13,330	16,542
Radishes.....	gallon.....		½	½
Lettuce.....	bunches.....	900		900
Cabbage.....	crates.....	258	851	1,109
Eggplants.....	number.....	7,887	59	7,946
Cauliflower.....	do.....	650	247	897
Cucumbers.....	do.....	300	124	424
Honeydew melons.....	baskets.....	390	45	435
Mushrooms.....	number.....		10	10
Hog faces.....	quarts.....	367		367
Spinach.....	number.....		1	1
Potatoes, Irish.....	barrels.....		28	28
Peas.....	bushels.....	169½	270½	440
Beans.....	do.....	104½	106	210½
Turnips.....	do.....	9	95	104
	do.....	8	47	55

Food products condemned in the District of Columbia during the fiscal year ending June 30, 1918—Continued.

		Condemned by request.	Condemned without request.	Total.
Tomatoes.....	bushels..	94	35	129
Pears.....	do.....	$\frac{1}{2}$	41	41 $\frac{1}{2}$
Onions.....	do.....	224	7	231
Peppers.....	dozen..	1,200	9	1,209
Crabs.....	barrels..	1	.....	1
Crab meat.....	gallons..	438	14 $\frac{1}{2}$	452 $\frac{1}{2}$
Pies.....	number..	49	7	56
Soft crabs.....	dozen..	250	.....	250
Corn.....	do.....	.....	6	6
Cheese.....	pounds..	.....	1	1
Eggs.....	dozen..	3,372	93	3,465
Butter.....	pounds..	37 $\frac{1}{2}$	35	72 $\frac{1}{2}$
Lard.....	do.....	.....	38	38
Fish.....	do.....	15,396	9,224	24,620
Do.....	barrels..	15 $\frac{1}{2}$	2	17 $\frac{1}{2}$
Do.....	bunches..	100	36	136
Lobsters.....	number..	10	1	11
Turtle meat.....	pounds..	.....	175	175
Oysters.....	gallons..	161	286	447
Clams.....	barrels..	1	1	2
Pickles.....	do.....	.....	2,925	2,925
Pigeons.....	number..	.....	30	30
Potatoes, sweet.....	bushels..	221	23	244
Asparagus.....	crates..	.....	1	1
Parsley.....	bunches..	600	.....	600
Carrots.....	do.....	.....	4	4
Preserves.....	pounds..	.....	22	22
Coffee.....	do.....	.....	1,006	1,006
Candy.....	do.....	.....	3	3
Prunes.....	do.....	.....	19	19
Cocoanuts.....	number..	80	.....	80

Pound report for fiscal year 1917.

Months.	Animals impounded.									Grand total.	Disposition.						
	Horses.	Cows.	Mules.	Dogs.			Cats.				Dogs.				Cats killed.	Total.	
				Captured.	Surrendered.	Total.	Captured.	Surrendered.	Total.		Killed.	Redeemed.	Sold.	Returned.			
1917.																	
July.....				135	215	350	4	510	514	864	319	25	9	4	514	871	
August.....				267	190	457	12	330	342	799	363	58	25	.....	342	788
September.....	4	1	1	62	89	151	9	224	233	390	133	19	10	2	233	397	
October.....	1	1	.....	99	85	184	.....	178	178	364	151	20	9	1	178	359
November.....				147	187	334	.....	117	117	451	271	25	13	.....	117	426
December.....				117	142	259	.....	91	91	350	256	18	7	3	91	375
1918.																	
January.....				60	87	147	.....	62	62	209	121	5	7	1	62	196
February.....				123	98	221	2	92	94	315	182	14	16	1	94	307	
March.....				175	137	312	2	145	147	459	259	51	12	.....	147	469
April.....				108	136	244	6	239	245	489	212	27	13	4	245	501	
May.....				90	182	272	5	302	307	579	256	3	10	.....	307	576
June.....	2			135	191	326	.....	225	225	553	259	22	26	2	225	534
Total.....	7	2	1	1,518	1,739	3,257	40	2,515	2,555	5,822	2,782	287	157	18	2,555	5,799	

Money collected by the poundmaster during the fiscal year 1918.

Months.	Food.	Fees.	Sales.	Total.
1917.				
July.....		\$50.00	\$18.00	\$68.00
August.....		116.00	38.00	154.00
September.....	\$3.00	48.00	20.00	71.00
October.....		44.00	18.00	62.00
November.....		52.00	26.00	78.00
December.....		36.00	14.00	50.00
1918.				
January.....		10.00	14.00	24.00
February.....		28.00	32.00	60.00
March.....		102.00	24.00	126.00
April.....		54.00	26.00	80.00
May.....		6.00	20.00	26.00
June.....		48.00	23.50	71.50
Total.....	3.00	594.00	273.50	\$70.50

Statement of work performed in the chemical laboratory during the fiscal year 1917 and 1918.

	Total.		Adulterated or misbranded.		Not adulterated or misbranded.	
	1917	1918	1917	1918	1917	1918
Air.....	2	15				
Ammonia ¹	7					
Apple, suspected to contain poison ¹	1					
Apple butter, suspected to contain poison ¹	1					
Apple jelly.....		1				1
Asparagus, canned.....	1				1	
Beans, canned.....	1				1	
Beans, Lima, canned.....	6		2		4	
Bee Brand insect powder ¹		1				
Bee Brand roach killer ¹		1				1
Beef, ground.....		1				
Biscuit, oatmeal, suspected to contain poison.....		1				
Blackberry cordial, suspected to contain poison ¹	1					
Blackberry jam, suspected to contain glass.....		1				1
Blackberry wine ¹		1				
Braunschweiger malt extract ¹		1				
Bread.....	45	31	17		29	31
Bread, net weight.....	13	11				
Bread, Graham, suspected to contain glass.....		1				1
Butter.....	84	17	32	9	52	8
Cake, suspected to contain glass.....		1				1
Candy.....	83	77			83	77
Candy, suspected to contain glass ¹		9		2		7
Do.....		25		1		24
Candy, suspected to contain poison.....	1	1				1
Do ¹		4				
Capsule, suspected to contain poison ¹	1	1				
Carbon tetrachloride, for comparative purposes.....	1	1				
Cheese.....		52		1		51
Cheese, suspected to contain glass ¹		3				
Cherry flavor.....		1				1
Cherry pepsin tonic ¹		1				
Do ²		3				
Chicken ¹	1					
Cider.....		3		2		1
Clothing ¹	5	3				
Cocoa.....	1				1	
Coffee.....	84		2		82	
Coffee, suspected to contain poison ¹	1	1				
Corned beef.....		2				
Corning liquid.....		1				1
Cream.....	348	210	232	143	116	67
Cream, acidity determinations.....	1					
Cream, illegal shipments.....	24	38				
Cream, sour, suspected to contain poison.....	1					
Crème de menthe ¹		1				
Daminana tonic ¹		1				

¹ Examined for the police department.² Examined for the corporation counsel.

Statement of work performed in the chemical laboratory during the fiscal year 1917 and 1918—Continued.

	Total.		Adulterated or misbranded.		Not adulterated or misbranded.	
	1917	1918	1917	1918	1917	1918
Deposit from swimming pool.....	1					
F. Z. tablets.....		2				
Fence picket, for bloodstains ¹		1				
Fish.....	1	1				1
Formaldehyde, solution of.....	1	1				1
Fruits, dried.....		30		23		7
Gasoline ²	1					
Gin, suspected to contain poison ¹		1				
Ginger ale.....		1				
Ginger ale, suspected to contain glass.....		1		1		
Ginger cakes, suspected to contain glass.....		4		1		3
Ginger snaps, suspected to contain poison.....	1					
Ginger, tincture of.....		1				
Hair grower, Mme. Walker's ¹		1				
Hamburger steak.....	3	39		4	3	35
Hamburger steak, suspected to contain glass ¹		1				
Hominy, cooked, suspected to contain glass.....		1				1
Honey.....	1				1	
Hotko ¹		1				
Ice.....		5		1		4
Ice, suspected to contain poison.....		1				1
Ice cream.....	1	1				1
Ice cream, suspected to contain glass.....		1				1
Iodine, tincture of.....	4	1	3		1	1
Iron bar, for bloodstains ¹		1				
Iron, quinine, and strychnine, elixir of.....	46	3	43		2	
Jelly, suspected to contain glass.....		1				3
Knife, for bloodstains ¹		71		5		6
Lard.....		1				1
Licresolis.....	8	4				
Liquid, suspected to be beer ¹	1					
Liquid, suspected to contain gasoline and acid ¹	1	1				
Liquid, suspected to contain poison ¹	1	1				
Do. ³	1					
Liquid, suspected to be whisky ¹		11				
Magnesium citrate, solution of.....	45	1	24		21	1
Mapleine.....		1				1
Meal, rye, suspected to contain glass.....		1				1
Meat, ground.....		1				1
Meat, sausage.....	6	1	1		5	
Medicine ¹	1					
Mercurial ointment.....	26		14		12	
Milk.....	8,315	7,333	1,011	1,379	7,304	5,954
Milk for acidity.....		23				23
Milk for experimental purposes.....	11	7				
Milk, illegal shipments.....	32	70				
Milk, preservatives in.....	20				20	
Milk, suspected to contain glass.....		1		1		
Milk, suspected to contain poison.....	1					
Milk, suspected to contain ultramarine blue.....		1		1		
Milk, suspected to be manufactured.....	3				3	
Milk, condensed.....	8		1		7	
Milk, evaporated.....		1				1
Milk, manufactured.....		6		6		
Milk, skimmed, condensed.....		1		1		
Near beer ¹	2	12				
Oil, cottonseed.....	1				1	
Oil, olive.....	48				48	
O'Leary's raspberry cordial ¹		1				
Oleomargarine.....		14		4		10
Oleomargarine ⁴		1				1
Oleomargarine, nut.....		34		2		32
Oleomargarine, nut ²		1				1
Oysters.....	81			30		51
Paste ¹	1					
Peaches, suspected to contain poison ¹	1					
Peanut butter, suspected to contain glass.....		12		6		6
Peas, canned.....	1				1	
Pepto mangan, suspected to contain poison ¹	2	1				
Pickles, suspected to contain poison.....	2		1		1	
Pills.....	2					
Pilo.....	1					
Post toasties.....		1				1

¹ Examined for the police department.² Examined for the purchasing officer.³ Examined for the coroner.⁴ Examined for the corporation counsel.

Statement of work performed in the chemical laboratory during the fiscal year 1917 and 1918—Continued.

	Total.		Adulterated or misbranded.		Not adulterated or misbranded.	
	1917	1918	1917	1918	1917	1918
Powder.....	2	2				
Powder, suspected to contain poison ¹		1				
Pyrene.....		1				
Residue in tumbler.....	1					
Rheumatism remedy, Corbin's ¹		3		3		
Roachsauf.....	1					
Salt, examined for arsenic.....		3				3
Salt, examined for glass.....		1				1
Sand.....	4					
Sandwich, examined for poison ¹	1					
Sausage.....		15				15
Sausage, green, examined for glass.....		1				1
Sausage, link.....	1				1	
Sausage, smoked, examined for glass.....		3				3
Sausage, suspected to contain poison ¹	1					
Scallops.....		2				2
Sediment in milk bottle.....	1					
Sparkling ¹		1				
Stick ¹	1					
Sugar.....		21		1		20
Sugar, brown.....		3				3
Sugar, damaged by fire.....		5		4		1
Sugar, examined for glass.....		1				1
Sugar, examined for glass ¹		2				
Sugar, examined for poison ¹	1					
Tablets, examined for morphine ¹		1				
Tablets, triturations ¹	1					
Tea.....		1				1
Tomatoes, canned, examined for glass.....		2				2
Vanilla, extract of.....		1		1		
Vinegar.....	2		1		1	
Voodoo medicine ¹		1				1
Washington Crisps, examined for glass.....		1				
Water.....	149	112	55	41	94	71
Water, bottled.....		41		14		27
Water, sewer.....	2					
Water, swimming pool.....	1					
Water, tap.....	1					
Wilson's U. S. condiment ¹	1					
Zinc ointment.....	23		15		8	
Total.....	9,543	8,563				

¹ Examined for the police department.

AVERAGE GRADES OF MILK DISTRIBUTED IN THE DISTRICT OF COLUMBIA DURING THE YEAR ENDING JUNE 30, 1917, ARRANGED ACCORDING TO NAMES OF DISTRIBUTORS.

For a statement of the method of determining these grades see United States Public Health Reports, volume 28, No. 8, February 21, 1913.

A perfect grade (100) is made up as follows:

Dairy farms on which milk was produced; equipment and methods.....	16½
Dairy cattle on farms on which milk was produced; health and cleanliness....	16½
Dairy from which milk is distributed to consumers; equipment and methods..	16½
Nutritive value of milk as determined by chemical analyses.....	16½
Wholesomeness, cleanness, and keeping qualities, as determined by bacteriological analyses.....	33½
Total.....	100

Name of dealer.	Dealer's description of class of milk.	Health office grade.
Alden, H. L.	Pasteurized milk	56.73
Alderney Dairy (see Black, H. L., & Son).		
Alsop, B. F.	Milk	70.55
Anadale Dairy (see Castle, J. W.).		
Auth Brothers	do	76.18
Avalon Dairy (see Dorr, J. & G.).		
Bassford, M. I.	do	75.02
Bayne, Thomas	do	61.95
Black, H. L., & Son	Pasteurized milk	60.60
Do	Special milk	72.38
Bowles, J. J.	Pasteurized milk	57.04
Broad Branch Road Dairy (see Bayne, Thomas).		
Brown, A. J.	Milk	85.31
Burnside Farms Dairy (see Walker Gordon Laboratory).		
Castle, J. W.	do	56.60
Cherrydale Dairy (see Marcey, J.).		
Chestnut Farms Dairy (see Oyster, G. M.).		
Chevy Chase Dairy (see Wise Bros.).		
Cudmore, P.	do	61.78
Dade, C. G., & Co.	Pasteurized milk	48.52
De Argo, P.	Milk	71.35
Dorr, J. V. & Geo.	do	80.69
Eckington Dairy (see Cudmore, P.).		
Estes, J. W.	Pasteurized milk	75.68
Fairview Farm Dairy (see Bassford, M. I.).		
Glade Valley Dairy (see Shulteis, Herman).		
Glenmore Dairy (see Simpson, W. A.).		
Gormley, P. F.	Milk	1 60.71
Green Meadow Dairy (see Black, H. L., & Son).		
Gregg, J. W.	Pasteurized milk	76.45
Haight, A. R.	Pure milk	77.24
Hamilton Dairy (see Seleckman, W. R.).		
Heflin, M. C.	do	62.40
Heine, Fred W.	Milk	1 73.82
High Ridge Dairy (see Hill, C. T.).		
Hill, C. T.	do	62.04
Home Dairy (see Judd & Hodges).		
Horne, C. V.	do	62.60
Horrigan, Albert	Special milk	72.82
Hutchinson, B. T.	Pure milk	75.25
J. H. R. Farm Dairy (see Ruppert, J. H.).		
Jersey Dairy (see Bowles, J. J.).		
Johnson, David	Milk	78.48
Judd & Hodges	Quality milk	86.72
Kiplinger, W. B.	Milk	82.21
Lactal Dairy (see Shawn, M. L.).		
Leapley, C. E.	do	77.62
Lewinsville Dairy (see Storm & Sherwood).		
Long Bridge Dairy (see Alsop, B. F.).		
Loudoun Dairy (see Horner, C. V.).		
Marcey, Julius	do	62.42
Markham, Edward	do	75.80
Mayhew, L. E.	do	71.10
Mulligan, S. C.	do	1 76.56
Murphy, J. U.	do	1 67.55
Mount Rocky Dairy (see Alden, H. L.).		
National Dairy (see Gregg, J. W.).		
Ogle, M. E.	do	80.39
Orrison, J. S.	do	68.17
Oyster, G. M.	Special milk pasteurized	88.02
Do	Certified milk	98.59
Peake, M. E.	Milk	1 70.27
Purity Dairy (see De Argo, P.).		
Reilly, J. P.	do	74.76
Ruppert, J. H.	do	77.31
Scammell, R. E.	do	91.88
Seleckman, W. R.	Pasteurized milk	63.11
Sharon Dairy (see Thompson, C.).		
Shawn, M. L.		
Shulteis, Herman	Tuberculin-tested milk	64.35
Simpson, W. A.	Pasteurized milk	84.81
St. Clair Dairy (see Heflin, M. C.).	do	53.22
Soper, R. F.		
Storm & Sherwood	Milk	183.15
Do	Pasteurized milk	72.80
Swiss Dairy (see Dade, C. G., & Co.).	Famous special milk	76.77
Tanner, A. T.		
Tenley, A. C.	Pasteurized milk	48.56
Thompson, Corbin	Milk	72.58
Do	Pasteurized milk	57.89
	Woodbridge milk	69.49

¹ Figures represent only a portion of the year. Omissions due to insufficient data in the Health Department to fairly compute a grade, or the firm started in business after the beginning of the year.

Name of dealer.	Dealer's description of class of milk.	Health office grade.
Thompson's Dairy (see Thompson Sisters).		
Thompson Sisters.....	Pasteurized milk.....	76.57
Do.....	Special milk.....	71.78
Union Valley Dairy (see Estes, J. W.).		
Van View Dairy (see Orrison, J. S.).		
Wahler Bros.....	Milk.....	¹ 84.45
Walker Gordon Laboratory.....	Certified milk.....	99.96
Walker Hill Dairy (see Simpson, W. A.).		
Welker, W. E.....	Pure milk.....	70.35
White Clover Dairy (see Tanner, A. T.).		
Willow Grove Dairy (see Tenley, A. C.).		
Wise Bros.....	Pasteurized milk.....	80.05
Do.....	Special raw milk.....	84.65
Woodbridge Farm (see Thompson, C.).		

¹ Figures represent only a portion of the year. Omissions due to insufficient data in the Health Department to fairly compute a grade, or the firm started in business after the beginning of the year.

Outline of annual and average daily work of the health department of the District of Columbia, with cost, during the fiscal year 1918, with corresponding figures for the preceding year (based on 306 working days).

Character of service.	Employees.		Salaries.		Traveling expenses.		Incidentals.		Total.	
	1917	1918	1917	1918	1917	1918	1917	1918	1917	1918
I. General supervision.....	2	2	\$6,500.00	\$6,500.00	\$437.99	\$456.05			\$6,937.99	\$6,956.05
II. Clerical service.....	17	8	9,100.00	9,820.00	3.38	2.00			10,024.68	11,090.91
III. Registration of vital statistics.....	4	5	4,400.00	5,900.00	7.75	1.67	\$1,821.30	\$1,268.91	5,017.27	6,430.11
IV. Messenger and driver.....	2	3	1,200.00	1,800.00	11.88	6.92	616.52	528.44	1,211.88	1,806.92
V. Sanitary inspection, general, including supervisory.....	213	214	14,700.00	16,300.00	356.50	399.50	250.43	410.27	15,306.93	17,079.77
Smoke.....	1	1	1,200.00	1,200.00	22.32	20.46	31.05	27.86	1,253.37	1,248.32
Eight-hour.....	4	4	4,500.00	4,500.00	52.17	52.62	22.50	100.90	4,574.67	4,653.52
VI. Food inspection:										
Supervisory.....	24	23	4,420.00	4,200.00	283.29	483.95			4,703.20	4,683.95
Veterinary.....	6	6	6,300.00	6,300.00	4,055.21	3,101.65			10,355.21	9,401.65
Markets.....	7	8	7,000.00	7,800.00	154.44	283.90	605.79	546.84	7,760.23	8,632.74
Chemical laboratory.....	3	3	3,800.00	3,800.00		2.46	{ 314.05	426.57	4,598.25	5,002.25
							{ 484.20	953.22		
Dairies.....	2	2	2,200.00	2,400.00	36.92	26.47			2,236.92	2,426.47
VII. Contagious-disease service:										
Supervisory.....	1	1	1,825.50	1,356.50	319.35	177.92			2,144.85	1,534.42
Clerk.....	1	1	496.50	1,392.25					496.50	1,392.25
Inspectors.....	6	6	5,726.25	6,545.50	127.01	186.60			5,853.26	6,732.10
Watchman.....	1	1	7.00	16.00					7.00	16.00
Incidental expenses.....							2,980.01	4,127.95	2,980.01	4,127.95
Smallpox hospital—										
Matron.....	1	1	586.50	81.75					586.50	81.75
Nurse.....	2	2	250.00	1,274.00					250.00	1,274.00
Janitor.....	1	1	182.25	182.25					182.25	182.25
Laborers.....	2	2	33.00	273.00					33.00	273.00
Incidental expenses.....							898.27	3,629.05	898.27	3,629.05
Quarantine station—										
Matron.....	1	1	609.00	284.08					609.00	284.08
Nurse.....	2	2	142.50	1,057.00					142.50	1,057.00
Janitor.....	1	1	131.50	134.58					131.50	134.58
Laborers.....	2	3	9.00	218.25					9.00	218.25
Incidental expenses.....							683.16	3,349.45	683.16	3,349.45
Leper hospital—										
Nurse.....	1	1	720.00	797.67					720.00	797.67
Matron.....	1	1	300.00	337.83					300.00	337.83
Laborers.....	2	1	182.50	67.50					182.50	67.50
Watchmen.....	6	1	87.75	108.00					87.75	108.00
Incidentals.....							749.44	1,233.66	749.44	1,233.66

Outline of annual and average daily work of the health department of the District of Columbia, with cost, during the fiscal year 1918, with corresponding figures for the preceding year (based on 306 working days)—Continued.

I. SUPERVISORY SERVICE.

	Annual average.		Daily average.	
	1917	1918	1917	1918
Health officer.....	\$4,000.00	\$4,000.00	\$13.07	\$13.07
Assistant health officer.....	2,500.00	2,500.00	8.10	8.10
Total cost of transportation.....	437.99	456.05	1.43	1.50

II. GENERAL CLERICAL SERVICE.

Units of work.	Annual average.		Daily average.	
	1917	1918	1917	1918
Letters received.....	10,664	11,823	34.8	38.6
Letters sent.....	10,601	14,638	34.6	47.8
Oral complaints received.....	4,147	4,748	13.5	15.5
Special reports indexed.....	1,414	1,618	4.6	5.3
Employees.....	7	8		
Total cost of service.....	\$9,100.00	\$9,820.00	\$29.74	\$32.09
Total cost of incidentals (approximate).....	1,821.30	1,268.91	5.95	4.15
Total cost of transportation.....	3.38	2.00	.011	.005
Total cost, inclusive of undistributed cost of supervision....	10,924.68	11,090.91	35.70	36.6

III. REGISTRATION OF VITAL STATISTICS.

	Annual average.		Daily average.	
	1917	1918	1917	1918
Death certificates recorded:				
Local.....	6,613	7,089	21.6	23.2
Foreign.....	618	693	2.0	2.3
Birth certificates recorded.....	7,231	7,519	24.0	24.6
Stillbirth certificates recorded.....	432	448	1.4	1.5
Burial and disinterment permits issued and subsequently received and filed.....	8,028	7,559	25.9	24.7
Transcripts issued.....	1,326	1,599	4.3	5.2
Collected for transcripts.....	\$560.50	\$704.00		
Employees.....	4	5		
Cost of service.....	\$4,400.00	\$5,900.00	\$14.38	\$19.28
Cost of incidentals (approximate).....	616.52	528.44	2.01	1.72
Cost of transportation.....	.75	1.67		
Total cost, exclusive of undistributed cost of supervision....	5,017.27	6,430.11	16.39	21.00

¹1,408 issued with fee, 1918.

¹1,121 issued with fee, 1917

IV. MESSENGER SERVICE.

	Annual average.		Daily average.	
	1917	1918	1917	1918
Messengers.....	\$600.00	\$1,200.00	\$1.96	\$3.92
Driver.....	600.00	600.00	1.96	1.96
Cost of transportation.....	11.88	6.92	.039	.022

Outline of annual and average daily work of the health department of the District of Columbia, with cost, during the fiscal year 1918, with corresponding figures for the preceding year (based on 306 working days)—Continued.

V. GENERAL SANITARY INSPECTION SERVICE.

A. SUPERVISION.

	Fiscal year.		Daily average.		Daily average per inspector.	
	1917	1918	1917	1918	1917	1918
Chief inspector.....	1	1	.....	.....	.....	.....
Assistant chief inspector.....	1	1	.....	.....	.....	.....
Clerk.....	1	1	.....	.....	.....	.....
Total salaries.....	\$3,700.00	\$4,400.00	\$12.09	\$14.4	.....	.....

B. SANITARY INSPECTION SERVICE.

Complaints acted upon.....	8,852	9,306	28.9	30.4	2.9	2.8
Inspection on complaints.....	12,161	12,550	39.7	41.03	4.0	3.7
Reinspections.....	16,385	19,878	52.5	64.9	5.3	5.9
Officials calls made.....	16,992	20,879	55.5	68.23	5.6	6.2
Notices served outside of assigned inspection districts.....	2,466	3,570	8.0	11.6	.8	1.1
House-to-house inspection.....	4,238	4,626	13.8	15.11	1.4	1.4
Inspection of barber shops.....	1,085	1,226	3.5	4.006	.4	.4
Inspection of stables.....	1,243	877	4.0	28.4	.4	2.6
Inspection of privies.....	1,177	2,066	3.8	6.75	.4	.6
Inspection of laundries.....	1,460	1,434	4.7	4.68	.5	.4
Other miscellaneous inspections.....	2,436	1,881	7.9	6.14	.8	.5
Total inspectors.....	10	11	.....	.....	.....	.....
Total salaries.....	\$11,000.00	\$11,900.00	\$35.94	\$38.8	\$3.59	\$3.5
Cost of incidentals (approximate).....	250.43	410.27	.81	1.34	.08	.12
Cost of transportation.....	356.50	369.50	1.16	1.20	.12	.10
Total cost of sanitary service, exclusive of undistributed cost of supervision....	11,606.93	12,679.77	37.92	41.34	3.79	3.72

C. SMOKE-INSPECTION SERVICE.

Places under observation.....	384	673	24.5	2.19	10.7	2.19
Observations.....	8,530	7,221	27.87	23.4	27.87	23.4
Inspectors.....	1	1	.....	.....	.....	.....
Total salaries.....	\$1,200.00	\$1,200.00	\$3.94	\$3.92	\$3.94	\$3.92
Cost of incidentals (approximate).....	31.05	27.86	.10	.09	.10	.09
Cost of transportation.....	22.32	20.46	.07	.07	.07	.07
Total cost of smoke service, exclusive of undistributed cost of supervision....	1,253.37	1,248.32	4.11	4.08	4.11	4.08

D. EIGHT-HOUR FEMALE LABOR LAW INSPECTION.

Complaints acted upon.....	109	147	0.3	0.48	0.01	0.16
Inspections on complaint.....	112	104	.4	.33	.01	.11
Inspections made on the initiative of the inspector.....	11,140	10,704	36.4	5.6	12.1	1.8
Official calls made.....	276	592	.9	1.9	.3	.6
Total inspectors.....	3	3	.....	.....	.....	.....
Total clerks.....	1	1	.....	.....	.....	.....
Total salaries.....	\$4,500.00	\$4,500.00	\$14.71	\$14.70	\$4.90	\$4.90
Cost of incidentals (approximate).....	22.50	100.90	.07	.32	.02	.10
Cost of transportation.....	52.17	52.62	.17	.17	.06	.05
Total cost of eight-hour female labor law service, exclusive of undistributed cost of supervision....	4,574.67	4,653.52	14.94	15.19	4.98	5.05

Outline of annual and average daily work of the health department of the District of Columbia, with cost, during the fiscal year 1918, with corresponding figures for the preceding year (based on 306 working days)—Continued.

VI. FOOD-INSPECTION SERVICE.

A. SUPERVISION.

	Fiscal year.		Daily average.		Daily average per inspector.	
	1917	1918	1917	1918	1917	1918
Chief inspector.....	1	1				
Assistant chief inspector.....	1	1				
Totalsalaries.....	\$3,200.00	\$4,420.00	\$10.46	\$14.42	\$5.23	\$7.26
Cost of transportation.....		283.29		.92		.46

B. VETERINARY SERVICE.

Dairy farms.....	1,139	1,131				
Inspections.....	4,423	4,035	14.45	13.18	2.41	2.19
Slaughterhouses.....	15	15				
Inspections.....	287	234	.94	.76	.15	.12
Communicable diseases of animals—						
Cases reported.....	129	260	.42	.84	.07	.14
Inspections of horse market.....	104	495	.34	1.3	.05	.21
Inspectors.....	6	6				
Totalsalaries.....	\$6,300.00	\$6,300.00	\$20.59	\$20.58	\$3.43	\$3.43
Cost of traveling expenses (approximate).....	4,055.21	3,101.65	13.25	10.13	6.62	5.6
Total cost, exclusive of undistributed cost of supervision.....	10,355.21	9,401.65	33.8	30.72	16.9	5.3

C. MARKETS, STORES, LUNCH ROOMS, ETC.

Registered at close of year.....	3,593	3,671	11.74	11.99	1.68	1.49
Under inspection during year.....	3,828	3,574	12.51	11.67	1.79	1.46
Inspections.....	42,356	49,698	138.42	166.54	19.77	20.81
Inspectors.....	7	8				
Totalsalaries.....	\$7,000.00	\$7,800.00	\$22.88	\$25.5	\$3.27	\$3.17
Cost of incidentals.....	605.79	546.84	1.97	1.78	.28	.22
Cost of transportation.....	154.44	285.90	.50	.93		
Total cost, exclusive of undistributed cost of supervision.....	7,760.23	8,632.74	25.35	28.21	3.62	3.51

D. CHEMICAL LABORATORY.

Samples analyzed.....	9,543	8,563	31.19	27.90	10.39	9.3
Samples of food.....	9,064	8,165	29.62	26.70	9.87	8.9
Samples of water.....	149	153	.49	.50	.16	.16
Samples of miscellaneous.....	330	245	1.08	.80	.36	.26
Employees.....	3	3				
Salaries.....	\$3,800.00	\$3,800.00	\$12.41	\$12.41	\$4.13	\$4.13
Cost of food samples.....	314.05	246.57	1.02	.80	.34	.26
Cost of incidentals.....	484.20	953.22	1.58	3.11	.52	1.03
Cost of transportation.....		2.46		.008		
Total cost, exclusive of undistributed cost of supervision.....	4,598.25					

E. DAIRIES, AND COLLECTION OF SAMPLES

Inspection.....	730	576	\$2.38	\$1.88	\$2.38	\$1.88
Samples collected.....	8,729	7,684	28.53	25.11	28.53	25.11
Inspectors.....	2	2				
Salaries.....	\$2,200.00	\$2,400.00	\$7.19	\$7.84	\$3.59	\$3.92
Cost of transportation.....	36.92	26.47				

Outline of annual and average daily work of the health department of the District of Columbia, with cost, during the fiscal year 1918, with corresponding figures for the preceding year (based on 306 working days)—Continued.

VII. CONTAGIOUS-DISEASE SERVICE.

Cases reported.	Fiscal year.		Average per day.		Daily average per inspector.	
	1917	1918	1917	1918	1917	1918
Anterior poliomyelitis.....	87	6	0.10	0.02	0.02	0.004
Epidemic cerebrospinal meningitis.....	20	122	.05	.33	.01	.07
Chicken pox.....	969	1,198	2.7	3.2	.59	.64
Diphtheria.....	613	1,112	1.7	3.04	.4	.6
Measles.....	3,533	7,618	9.7	20.8	2.0	4.2
Pellagra.....	14	21	.4	.06	.008	.01
Scarlet fever.....	490	1,102	1.3	3.3	.29	.7
Smallpox.....	6	38	.02	.10	.003	.02
Tuberculosis.....	984	1,118	2.7	3.3	.57	.7
Typhoid fever.....	292	328	.8	.9	.2	.2
Whooping cough.....	2,125	1,144	5.8	3.1	1.2	.6

A. GENERAL SUPERVISION, PLACARDING, RECORDING, ETC.

	1917		1918	
	Days.	Amount.	Days.	Amount.
Cost (exclusive of cost of service rendered by sanitary inspectors):				
Chief inspector.....	363	\$1,825.50	240	\$1,356.50
Clerk.....	175	496.50	376	1,392.25
Inspectors.....	1,364	5,726.25	1,581½	6,545.50
Watchman.....	3½	7.00	8	16.00
Total.....	1,905½	8,055.25	2,205½	9,310.25
Incidentals, printing, supplies, etc. (approximate).....		2,980.01		4,127.95
Cost of transportation.....		446.36		364.82
Total.....		11,481.52		4,492.77

B. SMALLPOX HOSPITAL.

Patients cared for.....	6		36	
Hospital open, days.....	58		145	
Service rendered, patient days.....	73		445	
Cost:				
1 matron.....	330	\$586.50	54½	\$81.75
2 nurses.....	100	250.00	477	1,274.00
1 janitor.....	160	104.50	158½	182.25
2 laborers.....	22	33.00	173	273.00
Total.....	612	974.00	863	1,811.00
Incidentals, supplies, fuel, etc. (approximate).....		898.27		
Total.....		1,872.27		3,629.05

C. QUARANTINE STATION.

Inmates cared for.....	6		82	
Days quarantine station open.....	31		180	
Service rendered, inmate days.....	40		723	
Cost:				
1 matron.....	341	\$608.00	187½	\$284.08
2 nurses.....	57	142.50	397	1,057.00
1 janitor.....	173	131.50	208½	134.58
1 laborer.....	6	9.00	145½	218.25
Total.....	577	891.00	938½	1,693.91
Incidentals, supplies, fuel, etc. (approximate).....		693.16		3,349.45
Total.....		1,584.16		5,043.36

Outline of annual and average daily work of the health department of the District of Columbia, with cost, during the fiscal year 1918, with corresponding figures for the preceding year (based on 306 working days)—Continued.

VII. CONTAGIOUS-DISEASE SERVICE.

D. LEPER HOSPITAL.

	1917		1918	
	Days.	Amount.	Days.	Amount.
Cost:				
Nurse.....	365	\$720.00	365	\$796.67
Matron.....	365	300.00	365	337.83
Laborer.....	45	67.50	55	82.50
Watchman.....	43½	87.75	54	108.00
Total.....	818½	1,175.25	839	1,325.00
Incidentals, supplies, fuel, etc. (approximate).....		749.44		1,233.66
Total.....		1,924.69		1,558.66

E. AMBULANCE SERVICE.

Minor contagious diseases:				
Patients transported.....		464		530
Days ambulance in active service.....	238		267	
Cost:				
2 ambulance drivers.....	384	\$768.00	419	\$984.75
1 stableman.....	356	266.50	312½	287.63
Total.....	740	1,034.50	731½	1,272.38
Incidentals, including food for experimental animals, forage, shoeing, etc. (approximate).....	742	742.20		1,740.10
Total.....		1,776.70		3,012.48

VIII. DISINFECTING SERVICE.

Premises disinfected.....number.....		1,794		2,388
Articles disinfected at disinfecting station.....do.....		1,496		326
Cost:				
Inspectors.....	735	\$2,037.00	640	\$2,052.25
1 disinfecter.....	713	1,466.00	670½	1,437.13
1 stableman.....	356	273.50	312½	287.63
1 watchman.....	3½	7.00		
Total.....	1,807½	3,783.50	1,623	3,777.01
Incidentals, disinfectants, forage, shoeing, etc. (approximate).....		1,638.51		3,631.83
Total.....		5,415.01		7,408.84

IX. LABORATORIES.

A. BACTERIOLOGICAL.

Specimens examined.....number.....		14,885		20,009
Days service rendered by employees.....do.....		1,531½		1,329½
Cost:				
3 bacteriologists.....	397½	\$2,539.50	406½	\$2,596.50
1 assistant bacteriologist.....	365	1,200.00	365	1,200.00
1 inspector.....	365	1,000.00		
1 skilled laborer.....	365	720.00	365	720.00
Laborer.....	39	78.00	283	566.00
Total.....	1,531½	5,537.50	1,329½	5,082.50
Incidentals, repairs to apparatus, etc. (approximate).....		485.28		935.40
Transportation.....		82.58		31.00
Cost of samples.....				105.59
Total.....		6,105.36		1,071.99

NOTE.—The services of the bacteriologist, which are paid for from the appropriation for the contagious-disease service are entered as an item of cost under "bacteriological laboratory."

Outline of annual and average daily work of the health department of the District of Columbia, with cost, during the fiscal year 1918, with corresponding figures for the preceding year (based on 306 working days).—Continued.

IX. LABORATORIES—Continued.

B. SEROLOGICAL.

	1917		1918	
	Days.	Amount.	Days.	Amount.
Diphtheria antitoxin prepared, units.	\$23,000.00
Typhoid vaccine treatments.	12,000
Specimens examined.	409
Days service rendered by employees.	306
Cost:				
1 serologist.	2,500.00
Incidentals, equipment, etc.	1,187.85
Total.	3,687.85

X. PUBLIC CREMATORIUM.

Bodies burned—1918, 93 adults, 157 infants, 259 still-born; 1917, 112 adults, 181 infants, 257 stillborn.	550	.....	509	.....
Days crematory was in operation.	110	.....	.....	.....
Cost:				
1 supervisory inspector.	363	\$181.50	236½	\$118.25
1 superintendent.	320	1,054.75	316½	1,107.75
Total.	683	1,236.25	553	1,226.00
Incidentals, kerosene, etc. (approximate). ....	.....	394.64	.....	581.59
Total. ....	.....	1,630.89	.....	1,807.59
Fees collected for cremation at private expense. ....	.....	975.89	.....	925.00
Net cost of operation. ....	.....	655.89	.....	882.59

XI. POUND SERVICE

	Fiscal year.		Daily average.	
	1917	1918	1917	1918
All animals impounded.	7,013	5,822	22.92	15.7
Animals collected.	5,168	4,254	16.89	13.9
Fees collected.	\$941.00	\$870.50	\$3.10	\$2.51
Employees.	5	16	.....	.....
Total cost of service.	* \$4,300.00	\$4,900.00	\$17.58	\$16.01
Cost of incidentals (approximate).	1,079.39	1,891.51	3.53	.....

* Includes 1 watchman.

* One-fifth time of chief clerk.

HOSPITALS AND CEMETERIES.

List of private hospitals and asylums in the District of Columbia licensed to June 30, 1918, showing location and date licensed.

HOSPITALS FOR HUMAN BEINGS.

Name.	Location.	Date licensed.
Jane B. Silvester Sanatorium	2005 Kalorama Road NW	Apr. 21, 1910
Garfield Memorial Hospital	Tenth Street and Florida Avenue NW	Feb. 18, 1911
Georgetown University Hospital	Thirty-fifth and N Streets NW	Mar. 1, 1911
Sibley Memorial Hospital	North Capitol and Pierce Streets NW	Mar. 7, 1911
Episcopal Eye, Ear, and Throat Hospital	1147 Fifteenth Street	Oct. 4, 1911
Children's Hospital	Thirteenth and W Streets	Sept. 8, 1911
National Homeopathic Hospital	N and Kirby Streets	July 6, 1911
Washington Eye, Ear, and Throat Hospital	2515-2517 Pennsylvania Avenue NW	Dec. 7, 1913
Margaret J. Thompson and Alice M. Prentiss	1417 Rhode Island Avenue	Aug. 27, 1913
Dr. H. R. Street and Ida M. Brown	1414 Girard Street NE	Nov. 21, 1913
Washington Sanitarium Hospital	1252 Sixth Street SW	July 8, 1914
Capital City Sanitarium	Fifteenth Street and Ohio Avenue NW	Nov. 5, 1915

HOSPITALS FOR ANIMALS.

C. B. Robinson	222 C Street NW	Dec. 6, 1909
Cecil French	Twentieth Street and Park Road NW	Feb. 8, 1910
J. P. Turner	916 O Street NW	Feb. 18, 1910
D. E. Buckingham	2115 Fourteenth Street NW	Mar. 25, 1910
Reid R. Ashworth	36 New York Avenue NW	July 7, 1916
Bosley & Weeks	309 Sixth Street NW	June 23, 1910
Theo. Schondau	20 Decatur Street NE	Oct. 25, 1911
John P. Keifer	2630 Twelfth Street NE	June 14, 1913
W. P. Collins	2130 P Street NW (rear)	Mar. 7, 1914
Reid R. Ashworth	1221-1228 North Capitol Street	June 30, 1917

ASYLUMS FOR HUMAN BEINGS.

Florence Crittenton Home	218 Third Street NW	Mar. 25, 1910
Home for Incurables	S Street between Thirty-first and Thirty-second NW	July 19, 1910
Children's Country Home	Grant Road NW	Do.
St. Vincent's Orphan Asylum	Edgewood, D. C.	Do.
Masonic and Eastern Star Home	Takoma, D. C.	Feb. 24, 1911
St. Ann's Infant Asylum	2309 K Street NW	Do.
St. Joseph's Male Orphan Asylum	924 H Street NW	Mar. 6, 1911
Epiphany Church Home	1221 Massachusetts Avenue NW	Mar. 23, 1911
Edes Home	2929 N Street NW	Mar. 25, 1911
Woman's Christian Association	1719 Thirteenth Street NW	Mar. 29, 1911
Methodist Home	601 M Street NW	Apr. 12, 1911
Presbyterian Home	1420 M Street NW	May 13, 1911

List of cemeteries.

Addison Chapel.	Green Vale.	National Capital Hebrew Assoc-
Adas Israel.	Harmony.	ciation.
Above Shalom.	Hillsdale.	Oak Hill.
Baptist.	Holy Rood.	Payne's.
Battle Ground. ¹	Jones Chapel.	Potters' Field.
Blue Plains. ¹	Macaphelia. ¹	Prospect Hill.
Christian. ¹	Macedonia.	Rock Creek.
Congressional.	Methodist, Tennallytown	St. Albans. ¹
Elesavetgrad Cemetery Associa-	Moore's.	St. Mary's.
tion.	Mount Olivet.	Talmud Torah.
Georgetown Convent.	Mount St. Sepulchre. Franciscan	United States Soldiers' Home
Glenwood.	Cemetery.	Visitation Convent.
Government Hospital for the In-	Mount Zion.	Washington Hebrew.
sane.		Woodlawn.

¹ No interments during the year.² For indigents.*Crematories.*

J. William Lee's.

District of Columbia public crematory.

APPENDIX G.

LIST OF PHYSICIANS ENTITLED TO PRACTICE MEDICINE IN THE DISTRICT OF COLUMBIA SEPTEMBER 1, 1918.

- | | | | |
|---------------------------|-----------------------------|----------------------------|----------------------------|
| Abbe, Truman. | Barker, Howard W. | Bogan, Samuel W. | Burke, John W. |
| Abbot, Griffith E. | Barnes, Noble P. | Bogges, John S. | Burns, Wm. P. |
| Abernethy, Eric A. | Barnes, Wm. M. | Bogle, John C. | Burritt, Alice. |
| Acker, George N. | Barnesby, Walter R. | Bogle, Kate B. | Burritt, Martha Clark. |
| Adams, George W., jr. | Barnhart, Grant S. | Boomhower-Guibord, Al- | Burton, Aldrich A. |
| Adams, Jesse Lee | Barrett, P. M. | berta S. | Burwell, Hartford R. |
| Adams, Roy D. | Barrie, George. | Borden, Dan L. | Bush, Daniel P. |
| Adams, Samuel S. | Barrington, Richard I. | Borden, Wm. C., U. S. A. | Butler, Arthur R. |
| Ainsworth, F. C. | Barry, Edmund. | Boss, Rufus D. | Butler, Chas. S., U. S. N. |
| Alderman, Zenas W. | Barry, John P. | Bost, Thomas C. | Butler, E. Flag. |
| Alexander, Rose. | Barstow, Edward C. | Boswell, Archie W. | Butler, William K. |
| Alleger, Walter W. | Barstow, Kate D. | Boteler, William C. | Butterfield, Elmore E |
| Alleman, Albert. | Barton, Wilfred M. | Bovee, J. Wesley. | Butz, Abraham D. |
| Allen, Chas. Alexander. | Bartsch-Dunne, Anna. | Bowen, William S. | Byner, Chas. B., U. S. A. |
| Allen, Charles L. | Bastian, J. W. | Bowers, John F. | Byrne, Patrick J. |
| Allen, Charles W. | Battle, Lewis J. | Bowker, Chas. H. | Byrne, Walter C. |
| Allen, Elijah H. | Battles, Samuel L. | Boyd, Carl B. | Byrnes, William F. |
| Allen, Elzora B. | Bayly, Rozier C. | Boyd, Chas. I. | Cabaniss, George W. |
| Allen, H. Jerome. | Bayne, J. Breckenridge. | Boyle, Cornelius B. | Cabell, J. M., U. S. A. |
| Allen, James H. | Beale, Robert S. | Boyle, Edward M. | Cahill, James A., jr. |
| Allen, John. | Beall, Chas. M. | Brackett, John E. | Caldwell, Charles T. |
| Ammerman, Charles C. | Beamman, Carroll J. | Braden, Francis W. | Caldwell, Harry C. |
| Anderson, C. T. G. | Beattie, Wray. | Bradfield, Jefferson D. | Calhoun, George A. |
| Anderson, Joseph W. | Beatty, Louis Kelley. | Bradley, Geo. P., U. S. N. | Calver, Geo. M. |
| Anderson, U. Grant. | Beatty, Walter K. | Bradley, Jeter C. | Calvert, Finley H. |
| Arbely, A. J. | Beckett, George M. | Brady, John C. | Camaler, Franklin A. |
| Armstead, Abram D. | Beckley, F. R. | Brady, Zadoc M. | Camden, Patta. |
| Armstrong, Wm. J. | Beebe, William B. | Bragan, George D. | Cameron, Malcolm. |
| Arnold, Guy F. | Beenwksis, Henry, U. S. A. | Braisted, Wm. C., U. S. N. | Camp, George H. |
| Arnold, John S. | Behrend, Adajah. | Brandenburg, W. H. R. | Campbell, Charles B. |
| Arnutzen, Julius Leo. | Behrend, Edwin B. | Brandt, Wm. E. | Cannon, James S. |
| Arthur, Wm. H., U. S. A. | Behrend, Sidney. | Branson, Joseph H. | Cannon, Walter D. |
| Arthurs, S. J. | Bell, Chas. | Brecht, Nelson Du Val. | Cardoza, Francis J. |
| Arwine, James T. | Bell, Wm. H., U. S. N. | Breckenridge, Scott D. | Carman, Louis D. |
| Ashburn, P. M., U. S. A. | Beltman, Basil R., U. S. A. | Brennan, John F. | Carmichael, Raulolph B. |
| Ashford, Bailey K. | Bennett, A. B., jr. | Brenizer, Gilmer. | Carmichael, C. P. |
| Ashford, Francis A. | Bennett, Harrison M. | Brent, Clarence E. | Carpenter, D. N., U. S. N. |
| Ashford, Mahlon. | Bennett, Maitland C. | Brewer, Isaac W. | Carr, W. Browne. |
| Atkins, Paul N. | Bennett, Robert A. | Brewer, Gilbert R. | Carr, William P. |
| Atkinson, Francis V. | Bennit, William W. | Brick, Geo. J. | Carrico, A. J. |
| Atkinson, John F. | Bernton, Harry S. | Bricks, Sacks. | Carroll, James. |
| Atkinson, Wade H. | Beresford, Galsworthy G. | Bridger, James D. | Carroll, Robert L. |
| Atwell, John R. | Bermann, Isador. | Briggs, John D. | Carson, Simeon L. |
| Avery, Frederick S. | Bernstein, Hymon. | Briscoe, John P. | Carter, Durus D. |
| Ayres, Wm. W. | Bevard, William A. | Bronson, Charles E. | Carter, F. C., U. S. A. |
| Babbitt, George E. | Biggs, Joseph R. | Brooke, Roger. U. S. A. | Carter, William C. |
| Babbitt, Zeno B. | Billard, Chas. Lewis. | Brooks, Carroll A. | Castell, L. B. |
| Bacas, Henry. | Billard, Jules F. | Brooks, John Doshir. | Castelli, Enrico. |
| Bacon, A. Maynard. | Bingman, Carroll E. | Brooks, J. Lester. | Cathers, Christopher C. |
| Bacon, Robert B. | Birdsall, Charles W. | Brooks, Phil. B. | Catzva, Morris. |
| Baggett, John B. | Birdsall, Gregg Custis. | Brosius, Mary Alice. | Caylor, Claude C. |
| Baier, G. K. | Birmingham, H. P., | Brown, Charles W. | Chadwick, De Witt C. |
| Bailey, Emerson S. | U. S. A. | Brown, Harry Lee. | Chaims, Geo. S. |
| Bailey, Grafton D. P. | Birney, Edith S. | Brown, Hugh A. | Chamberlin, Frank T. |
| Bailey, Henry L. | Birtwell, Daniel T. | Brown, Mary L. | Chancellor, P. S. |
| Bailey, Wm. O. | Biscoe, Frank L. | Brown, Orville J. | Chapman, Thomas P. |
| Bain, Seneca B. | Bishop, H. A. | Brown, Robert W. | Chappell, John W. |
| Baker, Frank. | Bishop, Herbert F. | Brown, Sara Winifred. | Chappell, Sidney L. |
| Baker, Frank Cole. | Blackburn, Richard S. | Brown, W. Hayes. | Childs, Creed W. |
| Baker, Leigh Y. | Blaine, Robt. G. | Browne, Rhodrie W. | Chipman, C. N. |
| Baker, May D. | Blair, H. C., U. S. A. | Browning, Andrew J. | Chisolm, Francis M. |
| Baker, Osmyn. | Blair, Joseph D. | Brumbaugh, Galus M. | Choate, Rufus. |
| Baker, Robert W. | Blake, Levi C. | Brummett, Randolph B. | Christie, Arthur C., |
| Baker, Willie W. | Blake, Louisa M. | Bryan, Joseph H. | U. S. A. |
| Baldus, William T. | Blakistone, Julian C. | Bryson, Herbert J. | Christmas, Wm. W. |
| Baldwin, C. A. | Bliss, Charles L. | Buchanan, Chas. M. | Church, James R. |
| Baldwin, Mosby. | Bloodorn, W. A., U. S. N. | Buchanan, Wm. R. | Clark, Chas. Herman. |
| Balloch, Edward A. | Bloom, R. | Buck, John R. | Clark, George C. |
| Banister, W. B., U. S. A. | Blue, James T. | Bunnemeyer, Bernard. | Clark, James J. |
| Barber, James M. | Boerner, M. H. | Burbank, Caryl. | Clark, John Alex. |
| Barber, Robt. T. J. | Bogan, Fred. Macon. | Burch, Edward W. | Clark, Taliaferro. |
| Barbour, Frank A. | Bogan, Isabel K. | Burch, W. Thompson. | Clarke, Wm. Earl, Jr. |
| Barger, A. S. | Bogan, Joseph B. | Burke, Francis E. | Clarke, Winfield S. |
| Barger, G. J. P. | Bogan, Mary Elizabeth. | Burke, Fredk. B. | Clayton, James G. |

- Claytor, Thomas A.
 Clemens, James E.
 Clement, A. B. C.
 Clements, Lyman J.
 Clemons, Carl Anson.
 Clifford, John S.
 Coate, Edith Seville.
 Coblenz, Horace B.
 Coburn, Henry C., Jr.
 Coe, Anton.
 Cogswell, Frank B.
 Cohen, Ralph.
 Cole, George R. Lee.
 Cole, John T.
 Coleman, Horace.
 Collender, Geo. R., U.S.A.
 Collins, Albert R.
 Collins, Charles R.
 Collins, George L., U. S.
 P. H. S.
 Collins, James C.
 Collins, James H.
 Collins, John F.
 Collins, Saml. J. B.
 Colwell, Clifford B.
 Compton, Arthur G.
 Conklin, Coursen B.
 Conklin, Rush W.
 Conner, William H.
 Conrad, Thos. K.
 Constas, John.
 Conyngton, Wm.
 Cook, Elmore A. A.
 Cook, Frank Robert.
 Cook, George W.
 Cook, Giles B.
 Cook, Henry C.
 Cook, Richard L.
 Cook, Saml. LeCount.
 Cooke, Robert R.
 Cooke, Thomas C.
 Coolidge, Augustus B.
 Cooper, Oscar J.
 Copeland, Edgar B.
 Corbin, William E.
 Corey, George B.
 Corley, Karl C.
 Cornish, Mabel.
 Coumbe, Arthur G.
 Coumbe, Oscar H.
 Cousins, Sidney C.
 Cowden, J. Morrow.
 Cowper, Arnold W., U.
 S. A.
 Cox, Oliver C.
 Cox, S. Clifford.
 Craig, Albert E.
 Craig, Henry K.
 Craig, John M.
 Cram, A. M.
 Crandell, Henry N.
 Crawford, C. Alexander.
 Crawford, Chas. B.
 Critchton, Macpherson.
 Crittenden, Thomas B.
 Crocchia, Antonio.
 Crook, Harrison.
 Crosby, W. D., U. S. A.
 Crosson, Henry J.
 Crowe, John W.
 Crowley, Jerome F.
 Cruch, B. Alice.
 Cummiskey, Edw. F.
 Curdren, George A.
 Curtis, Arthur Leo.
 Curtis, Austin M.
 Custis, J. B. Gregg, Jr.
 Custis, Marvin A.
 Cuthbert, Middleton F.
 Czarra, Sigmund A.
 Dabney, Virgilus.
 Danforth, Roderick F.
 Daley, James N.
 Daniel, Robert A.
 Daniels, Uriah J.
 Darby, John J.
 Darby, Taylor E.
 Darnall, Moses H.
 Darrah, Austin A.
 Davidson, Edward Y.
 Davis, Carl L.
 Davis, Carrie C.
 Davis, Charles A.
 Davis, Daniel G.
 Davis, Dowdol H.
 Davis, Frank F.
 Davis, George P.
 Davis, George W.
 Davis, Llewellen F.
 Davis, Raymond A.
 Dawson, Charles F.
 Day, Geo. Frank.
 Dear, Wm. R.
 Dearborn, Reuben B.
 De Carré, Alfred.
 Deckard, P. E.
 Decker, R. R., U. S. A.
 Deebie, Horace M.
 Delancy, Martin D.
 De Laney, M. A., U. S. A.
 Demarest, Cornelius L.
 Denison, Raymond C.
 Dennis, J. B., U. S. N.
 Dennison, Ira W.
 Dessez, Paul T., U. S. N.
 De Saussure, R. L.
 Devereux, J. Ryan.
 De Vries, J. Carlisle.
 De Weese, Cornelius.
 Dewey, Christian H.
 Dickerson, Dorrell G.
 Dickinson, Dwight, U.
 S. N.
 Dickinson, Dwight, Jr.
 Dickson, S. H., U. S. N.
 Didier, Frederick W.
 Digges, John H.
 Dixon, Henry M.
 Dixon, Taylor B.
 Dixon, Wm. S., U. S. N.
 Dobson, Hervie A.
 Dobson, William H.
 Dolan, Patrick V.
 Dollman, Clarence M.
 Dollard, Henry L., U. S. N.
 Donn, Fred'k Y.
 Donnelly, Harry H.
 Dorsey, John S.
 Douglas, Alanson S.
 Douglas, James S.
 Dowling, Geo. B., U. S. N.
 Dowling, James C.
 Dowling, Thomas, Jr.
 Downes, Julia V.
 Downey, Alice W.
 Drane, Frank C.
 Drenford, George.
 Drennan, Lawrence M.
 Drew, Henry C.
 Dubose, George P.
 Duehring, Frank E.
 Duenner, Robert H., U.
 S. A.
 Duffey, Hugh C.
 Dufour, Clarence R.
 Dugan, C. L.
 Dulaney, Joshua L.
 Dumas, Michael O.
 Dunbar, A. W., U. S. N.
 Dunlop, John.
 Dunnire, Roy F.
 Dunn, Henry A.
 Dunne, Harold E.
 Durfee, R. B.
 Dyer, John C.
 Dyer, J. F.
 Dykes, J. R., U. S. N.
 Dynan, Nicholas J.
 Eager, J. M., M. H. S.
 Easlér, R. A.
 Eastham, Granville.
 Eaten, William E., U.
 S. N.
 Echols, Francis S.
 Ecker, Lewis C.
 Eckhardt, J. C.
 Eddy, Otis S.
 Edie, G. L., U. S. A.
 Edmunds, Meade Randolph.
 Edwards, Geo. M., U. S. A.
 Egbert, Edw. H.
 Eggleston, George W.
 Eggleston, James D.
 Eisenberg, Arthur A.
 Eisenberg, J. J.
 Eldridge, Watson W., Jr.
 Elgin, Fisk.
 Elgin, William F.
 Eliot, Llewellyn J.
 Eliot, Johnson.
 Elliott, Charles S.
 Elliott, Jere B.
 Elliott, Henry R.
 Elliott, L. E.
 Elliott, M. S., U. S. N.
 Ellis, Hannah C.
 Ellis, Joseph C.
 Ellison, Everett M.
 Ellyson, Robert M.
 Elmore, Bruce, U. S. N.
 Emery, O. V.
 Emery, W. G.
 Emmons, Charles M.
 English, Charles H.
 English, L. H.
 English, Merton A.
 Eppard, George I.
 Erbach, Amelia.
 Erving, Emma L.
 Erving, Wm. G.
 Esch, Victor H.
 Eslin, James T.
 Evans, Albert W.
 Evans, Margaret R.
 Evans, Wilson B.
 Everts, Arrah B.
 Eversfield, Wm. O.
 Ezdorf, Rudolph, H. von.
 Fadeley, George B.
 Fagin, Emmett A.
 Fairly, James M.
 Falconer, Bolivar L.
 Fales, Ella Roy.
 Fales, Warren D.
 Farquhar, Charles.
 Farquhar, Raymond R.
 Farwell, Wrey C., U. S. N.
 Fauntleroy, A. M., U. S. A.
 Featherstonhaugh, Thomas.
 Feigley, Harvey P.
 Ferguson, Charles E.
 Ferguson, Thomas M.
 Ferris, N. Sherwood.
 Fillebrown, John P.
 Finch, Erastus M.
 Finley, Clara B.
 Fishbat, Albert S.
 Fischer, Howard.
 Fischer, Melville B.
 Fischer, Raymond A.
 Fiske, Charles N., U. S. N.
 Fitz-Hugh, William De A.
 Fitzsimons, P., U. S. N.
 Fletcher, Chas. C.
 Fletcher, G. H.
 Floria, Salvatore.
 Flower, Alfred H.
 Flynn, James A.
 Foley, Thomas M.
 Folkmar, Elnora C.
 Foote, John A.
 Ford, J. Herbert.
 Ford, Roland H.
 Ford, William C.
 Forston, Keene R.
 Foster, Chas. L.
 Foster, Geo. W.
 Foster, Romulus A.
 Foster, Warren W.
 Fowler, Ernest W.
 Fowler, Harry A.
 Fowler, Samuel R.
 Fowler, William C.
 Fox, George L.
 Fox, William H.
 Foye, A. Frances.
 Fraction, James M.
 Francis, Melton A.
 Frankland, W. Ashby.
 Franklin, E. T. M.
 Franzoni, Chas. W.
 Freeman, George F., U. S. N.
 Freeman, Henry W., Jr.
 Freeman, P. L., U. S. A.
 French, Leigh H.
 French, William B.
 French, Wm. J.
 Frey, J. Pau.
 Frischkorn, Chas. R.
 Frischkorn, Robt. Walter.
 Frost, Ellis F.
 Frost, John W.
 Fry, Henry D.
 Fry, Samuel.
 Fuller, Homer G.
 Furcron, Gustavus W.
 Glazato, W. Frank.
 Gallagher, Matilda J.
 Galloway, B. E.
 Gannon, James A.
 Gapen, Nelson.
 Gardner, Joseph N.
 Gardner, Michael E.
 Garnett, Alex. G. P.
 Garrison, Fielding H.
 Garthwaite, Isaac S.
 Garvin, Chas. H.
 Garvin, Mary J.
 Gaston, W. M., U. S. N.
 Gaul, J. S., U. S. A.
 Gaver, John W.
 Geddings, R. M.
 Gehrigs, Gustave P.
 Gehringer, Geo. M.
 Gentsch, Daniel C.
 Gentzkow, Cleon J.
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 Gibson, John S.
 Gibson, R. H.
 Gilbert, C. Evelyn.
 Gilchrist, Edgar Y.
 Gilchrist, Harry F., U. S. A.
 Gill, William T.
 Gill, William J., Jr.
 Gill, Lee A.
 Gilliland, Orange C.
 Girard, A. C., U. S. A.
 Gladmon, Edwin.
 Glanvill, W. E.
 Glascock, Alfred.
 Glazebrook, Larkin W.
 Gleeson, James K. P.
 Glennan, J. D., U. S. A.
 Glueck, Bernard.
 Glover, Mervin W.
 Glushak, Leopold.
 Gochenour, David Thomas.
 Godfrey, Carlos E.
 Godfrey, George M.
 Goines, William H.
 Goldthwaite, Ralph H., U. S. A.
 Goodall, Henry S.
 Goodman, Hector H.
 Goodman, William R.
 Gosling, Henry L.
 Gracy, George W.
 Graham, James F.
 Graham, Neil F.
 Granfield, Charles P.
 Grant, M. L. T.
 Grasty, Thos. S. D.
 Gray, Augustus C.
 Gray, Clarence A.
 Gray, H. M.
 Grayson, Charles S.
 Grayson, C. T., U. S. N.
 Grayson, S. M.
 Green, Eric S.

- Green, Julia M.
 Green, Wm. H.
 Greenberg, S. H.
 Greene, Lawrence M.
 Greene, Louis S.
 Greene, Samuel H., jr.
 Greene, Willard P.
 Greenleaf, Harry S.
 Greenstreet, A. G.
 Grier, Jas. G.
 Griffin, Jno. C.
 Griffin, Thomas A.
 Griffith, Charles I.
 Griffith, Lewis A.
 Griffith, Michael J.
 Griffith, Monte.
 Griffith, S. H., U. S. N.
 Griffith, Thos. E.
 Griffith, Wilmer E.
 Grissinger, Jay W., U. S. A.
 Groce, Henry R.
 Groce, S. Marie.
 Groll, Chester C.
 Groover, Thomas A.
 Gross, Alfred G.
 Grove, W. B., U. S. N.
 Grubbs, R. B.
 Gruel, Louis T.
 Grunwell, Alfred G.
 Guerra, A. L.
 Guibord, Alberta S.
 Boombower.
 Gunion, John Paul.
 Gunning, Edw. J.
 Guss, Harry T.
 Gwynn, Oscar J.
 Gwynn, Wm. C.
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 Hageman, Anna W.
 Hagner, Francis R.
 Haig, Chester R., U. S. A.
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 Hall, Custis Lee.
 Hall, D. D.
 Hall, J. Mitchell.
 Halpin, James Anthony.
 Hamilton, James R.
 Hamilton, Ralph A.
 Hamilton, Richard T.
 Hammett, Chas. M., jr.
 Hammond, Thos. V.
 Hammond, T. Victor, jr.
 Hamson, Elizabeth.
 Hance, Theodore F.
 Haneock, Eugene Thos.
 Handy, Wm. E.
 Hannon, Samuel L.
 Hanson, Louis H.
 Hardesty, Joseph R. L.
 Hardesty, Wm. S.
 Hardin, B. L.
 Harding, Gena R.
 Harding, Harry T.
 Harding, Ralph A.
 Harlan, Tharos.
 Harner, James B.
 Harkles, John T.
 Harrington, Francis E.
 Harris, Norman W.
 Harrison, Bernard H.
 Harrison, Chas. A.
 Harrison, Charles S.
 Harrison, Herbert A.
 Harrison, James S.
 Harrison, John S.
 Harrison, Julia C.
 Hart, James W.
 Hartsock, Fredk. M.
 Harvey, A. K. P.
 Harvey, Heber McK.
 Harvey, Levin A.
 Hasbrouck, Edwin M.
 Haskell, Ray T.
 Hasseltine, H. E., U. S. P. H. S.
 Hathaway, G. S., U. S. N.
 Havard, Valery, U. S. A.
 Havenner, George C.
 Hawxhurst, Howard H.
 Hayden, Reynolds.
 Hayes, Frank C.
 Hayes, Henry L.
 Hayes, J. Robert.
 Hays, Melville A.
 Haysmer, E. Dolphus.
 Hazen, Henry H.
 Hazen, William P. C.
 Healy, Chas. B.
 Heffner, Wm. J.
 Hefebower, Roy C.
 Heger, Anton, jr.
 Heiberger, Ida J.
 Heinecke, George B.
 Heiner, Robert G.
 Heiser, William H.
 Heitmuller, George H.
 Heller, Irma I.
 Heller, Joseph M.
 Helm, Milton.
 Hellman, Chas. R., U. S. A.
 Helton, Addison S.
 Hemler, Wm. F.
 Hendry, O. S.
 Henneberger, Josiah B.
 Henneberger, L. G.
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 Henning, Samuel C.
 Henry, Wm. W. N.
 Hensley, James T.
 Hepburn, James H.
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 Herbert, Joseph Wells.
 Herbst, Wm. P., jr.
 Herdlika, Charles V.
 Heron, William H.
 Herschman, Myer J.
 Hewetson, Sara E.
 Hickling, D. Percy.
 Higgins, Daniel W.
 Higgins, Montgomery E.
 Higgins, Raymond P.
 High, Daniel L.
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 Hillegass, Ross J.
 Hilliard, W. T., jr.
 Hiltion, James F.
 Hines, James M.
 Hinkel, Henry J.
 Hislop, Margaret.
 Hoadley, Almer M.
 Hodes, Harry K.
 Hodge, Edwin R.
 Hodges, J. Walter.
 Hodgson, Charles S.
 Hoffman, Walter J.
 Holden, Cora M.
 Holden, Raymond T.
 Holland, Josiah H.
 Holloway, Donald.
 Hollifield, Horatio B.
 Holmes, Charles.
 Holmes, John A.
 Holmes, Mary.
 Holmes, R. W.
 Holt, Warner.
 Hooe, A. Barnes.
 Hooe, Robert A.
 Hooper, Lionel E.
 Hoover, Geo. W.
 Hopkins, Charles J.
 Hopkins, J. Milton.
 Hopkins, J. W.
 Hord, William T., jr.
 Hore, Cassius W.
 Horgan, William D.
 Hornaday, Frank A.
 Hornbrook, Frank W.
 Hoskins, James T.
 Hough, J. Spencer.
 Hough, Wm. H.
 Houghton, Montafix W.
 House, Z. E.
 Housel, Firman.
 Houston, U. L.
 Howard, Areturus Lee.
 Howard, C. Norman.
 Howard, D. C., U. S. A.
 Howard, Geo. T.
 Howard, James H.
 Howard, Joseph T. D.
 Howard, Stanton W.
 Howard, Wm. J., jr.
 Howe, Orwin E.
 Howlett, H. H.
 Hubbard, Wm. Wheeler.
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 Hudson, Wm. Burrows.
 Hughes, John Cecil.
 Hughes, Wm. H.
 Hull, June M.
 Hull, Theo. Y.
 Humble, Oliver L., jr.
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 Hummer, Harry R.
 Hunt, Henry J.
 Hunt, Isaac B.
 Hunter, Edwin C.
 Hunter, Montgomery.
 Hunter, Oscar B.
 Huntington, Philip W., U. S. A.
 Huntington, W. H.
 Hunt, Joseph R.
 Hurst, Benoni Price.
 Hurst, Julien H.
 Hurtt, Harry.
 Hutchinson, Mahlon.
 Hyatt, Franck.
 Hyde, Chas. W.
 Hynson, Laurence M.
 Ingersoll, Olive P.
 Ingersoll, Robert S.
 Ingram, Thomas D.
 Ireland, M. W., U. S. A.
 Irmen, Felix A.
 Irvine, R. S.
 Iseman, Myre S.
 Israeli, Baruch.
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 Jackson, Elmer E.
 Jackson, Virgil B.
 Jaeger, H. W.
 Jaisohn, Philip.
 James, Charles H.
 Jamison, Albion B.
 Jamison, John S.
 Jarvis, G. L. Brown.
 Jeffries, Joseph A., jr.
 Jenkins, Ralph.
 Jenner, Norman R.
 Jewett, Henry M.
 Jobson, Wm. R.
 Johnson, Chas. C.
 Johnson, Charles R.
 Johnson, Frank G.
 Johnson, Geo. A.
 Johnson, Henry A.
 Johnson, H. Virgil.
 Johnson, James A.
 Johnson, James F.
 Johnson, John H.
 Johnson, Joseph L.
 Johnson, Joseph Taber.
 Johnson, Loren B. T.
 Johnson, Louis A.
 Johnson, Paul, B. A.
 Johnson, Sidney L.
 Johnson, Stuart C.
 Johnson, H. H., U. S. A.
 Johnson, Wallace.
 Johnston, Gabriel F.
 Johnston, George W.
 Johnston, Henry V.
 Johnston, Wm. B.
 Johnstone, Robert B.
 Jolley, Bushrod B.
 Jones, Edward Barton.
 Jones, Eugene.
 Jones, Glenn C.
 Jones, H. W., U. S. A.
 Jones, John E.
 Jones, Louise T.
 Jones, Robert Emmet, jr.
 Jones, Saml. A.
 Jones, T. B.
 Jones, Thomas E.
 Jones, Thos. G.
 Jones, Wm. C.
 Jones, Willis Wharton.
 Jordan, Arthur.
 Jordan, Charles M.
 Jordan, Llewellyn.
 Jorgenson, Hans C.
 Jourdan, Victor J.
 Julihn, Magnus L.
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 Jung, Sofie A. Nordhoff.
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 Kalusowski, Henry E.
 Kane, Howard F.
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 Karpeles, Simon R.
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 Kean, J. R., U. S. A.
 Kearney, Henry W.
 Keblor, Lyman F.
 Keenan, John F.
 Keene, Walter P.
 Kehrer, Augustus B.
 Kelechner, Wm. L.
 Kelley, Herbert L.
 U. S. N.
 Kelley, John T., jr.
 Kelly, Daniel J.
 Kemble, Adam.
 Kempf, Helen D. C.
 Kempter, J. Edmond.
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 Kennard, G. Howard.
 Kenealy, Wm. P.
 Kennedy, Robert M.
 U. S. N.
 Kenner, Albert W.
 Kerby, Jas. C.
 Kerr, Harry H.
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 Key, Sothoron.
 Keyser, Carl S.
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 Kilroy, James J.
 Kimball, Arthur H.
 Kimball, Ephraim G.
 King, C. P.
 King, Cora Smith.
 King, Harry C.
 King, William R.
 Kingsman, Richard.
 Kinnan, William A.
 Kinner, J. Lee.
 Kinyoun, J. J.
 Kirby, Wm. P.
 Kite, Isaac W., U. S. N.
 Kittredge, Herman E.
 Klemm, John W.
 Kline, William J. K.
 Klugh, George F.
 Knapp, Herbert D.
 Knight, Carlisle P.
 Knott, Charles O.
 Kober, George M.
 Koonce, Howard.
 Koonce, Charles K.
 Korshet, Morris.
 Kramer, Gabriel B.
 Kramer, Thomas B.
 Krecthing, Wilhelm E. H.
 Kress, Lauretta E.
 Kress, Ora.
 Krogstad, Henry.
 Kuehn, Fredk. W.
 Kurtz, John.
 Lake, Gleason C., U. S. P. H. S.
 Ladd, John M.
 La Fetra, George H.
 La Fetra, Linnaeus E.
 La Garde, L. A., jr.
 Lally, Wm. J.
 Lamb, Daniel S.
 Lamb, Isabel Haslup.
 Lamb, Robert Scott.
 Landers, Thomas.
 Lane, David A.
 Lane, Willard M.

- Laney, Frank P.
 Lanza, Anthony J.
 Larkin, P. Edward.
 Lascot, Fulalio Garcia.
 Latimer, Chas. H.
 Latimer, Guy W.
 Latimer, Thos. E.
 Lavson, Hyman.
 Lawrence, Florus F.
 Lawson, Huron W.
 Leadley, George W.
 Leake, Jas. P., U. S.
 P. H. S.
 Le Conte, R. M.
 Lee, Adelbert H.
 Lee, Frederick D.
 Lee, George H.
 Lee, Mattie V. S.
 Lee, Thomas A.
 Lee, Thomas S.
 Leece, Robert Henry.
 Leech, D. Olin.
 Leech, Frank.
 Leech, Geo. A.
 Lehr, Louis C.
 Le Kites, Lillian Rue.
 Le Merle, F. L.
 Lemon, Hanson T. A.
 Lemmon, Mary F.
 Lemus, Miguel Angel.
 Lenman, Louise N.
 Lennox, Porter B.
 Lewis, Duff G.
 Lewis, Geo. E.
 Lewis, Harry S.
 Lewis, John L.
 Lewis, W. E.
 Lewis, William L.
 Lhamon, R. M., U. S. N.
 Lighthill, Edward B.
 Lile, Minor C.
 Limkins, Jas. J.
 Lind, E. G., jr.
 Lind, John E.
 Lindsay, J. W.
 Lindsay, John H.
 Linn, Willis.
 Linville, Thomas.
 Lipplitt, S. Herman.
 Lis'oe, Alexander E. J.
 Little, A. B.
 Little, John J.
 Little, Joseph W.
 Little, Richard M.
 Littlefield, John R.
 Littlejohn, Alice.
 Littlepage, William H.
 Lloyd, Patrick H.
 Lochbocher, George J.
 Logan, Robert A.
 Logie, Benj. R.
 Long, William.
 Lopp, William Henry.
 Loregan, Katharine.
 Loring, Francis B.
 Losekam, Geo.
 Lothrop, Edwin S.
 Lounders, C. H. T., U. S. N.
 Lovelace, Carl.
 Lowe, Horace M.
 Lowe, Thos. F.
 Lozler, Kate E.
 Lucas, Malchiah M.
 Lucas, Marie B.
 Luce, Charles R.
 Lucey, William A.
 Luckett, Llewellyn F.
 Lull, Geo. F., U. S. A.
 Lumdsen, Geo. P., U. S. N.
 Lung, G. A.
 Lupton, E. J. S.
 Luttrell, Samuel S.
 Luttrell, Walter McE.
 Lynch, Harry C.
 Lynd, Ernest.
 Lyon, Marcus W., jr.
 Lyon, Martha M. B.
 Lyons, John H.
 Lyster, T. C., U. S. A.
- McAdory, Robt. J.
 McArdle, Thomas E.
 McCarthy, Jos. J.
 McClain, R. P.
 McConnor, G. H.
 McCord, Harry Stanton.
 McCormack, Daniel P.
 McCormick, John H.
 McGrath, Arthur H.
 McCue, Jos. D.
 McCulloch, C. C., jr.,
 U. S. A.
 McDonald, Paul E.
 McDonald, Thomas B.
 McDowell, R. W., U. S. N.
 McDuffie, Jos. A.
 McGee, Anita N.
 McGouldrick, Ernest C.
 McGrath, Bernard F.
 McGuire, James C.
 McGuire, Thos. J.
 McIlhenny, Jas. S.
 McIntyre, Andrew J.
 McIntyre, Douglas.
 McKalg, Joseph F.
 McKay, James G.
 McKee, William P.
 McKeehan, George H.
 McKeldin, R. A. W.
 McKenney, A. B.
 McKeon, Frank H.
 McKimble, Oscar A. M.
 McKnight, Robt. S.
 McLaughlin, Thos. N.
 McLaughlin, Wm. Frank,
 U. S. A.
 McLean, Allen D., U. S. N.
 McLoone, John J.
 McLoughlin, George N.
 McManus, Geo. R.
 McMaster, A. McF.
 McMillan, Samuel M.
 McMorris, John H.
 McNally, Valentine.
 McNeill, Faton K.
 McNeill, William C.
 McPherson, Dorsey M.
 McQuillan, Francis.
 McSween, Ede J.
 Macatee, Henry C.
 MacDonald, A. Magruder.
 MacDonald, George.
 Macdonald, Thomas L.
 Macken, Francis S.
 Mackall, Louis, jr.
 Macnamee, Arthur M.
 Macop, E. B.
 Maddox, Albert S.
 Madden, Edith L.
 Madella, William H.
 Madigan, John Jos.
 Madigan, P. S.
 Madison, Benjamin F.
 Magee, Geo. H.
 Magee, M. D'Arcy.
 Main, Russell B.
 Malcolm, Wm.
 Mallan, Thomas F.
 Mallory, Wm. J.
 Malone, W. P.
 Mankin, J. Ward.
 Mann, Henry L.
 Manning, Herbert M.
 Manning, Wm. J.
 Manning, Wm. Sanders.
 Marble, Ella M. S.
 Marbury, Charles C.
 Marbury, Wm. B.
 Marcey, F. H.
 Marks, W. G.
 Marmion, W. V.
 Marshall, Charles H.
 Marshall, Collins.
 Marshall, E. R., U. S. N.
 Marshall, J. W.
 Martel, Leon A.
 Martin, Hamilton St. C.
 Martin, Thos.
 Martin, Thomas C.
- Martin, Ulysses G. B.
 Martyn, Herbert E.
 Mason, E. L.
 Mason, Lyle M.
 Mason, Orville J.
 Mason, Robert F.
 Mason, S. M.
 Mason, Wm. B.
 Massey, Thomas H.
 Masterson, William L.
 Matthews, Washington.
 Mattson, Charles R.
 Maulding, James E.
 Mauss, Richard J.
 Maxwell, Maurie H.
 May, Henry A.
 Mayer, Robert D.
 Mazzei, Frank A.
 Mead, Theodore.
 Mebane, William W.
 Mellott, Samuel W.
 Melloy, Arthur N.
 Mendelson, Jos. A.
 Meredith, John Cabell.
 Merriam, Arthur C.
 Merrill, Walter H.
 Merritt, Simon Wickes.
 Mess, Wm. A.
 Metcalfe, R. F., U. S. A.
 Metzger, John H.
 Miller, A. Caldwell.
 Miller, Allen E.
 Miller, Benjamin C.
 Miller, G. Brown.
 Miller, Geo. L.
 Miller, Harry W.
 Miller, Henry W.
 Miller, Maurice E.
 Miller, Stephen C.
 Miller, Thos., jr.
 Millard, P. McDonald.
 Milligan, Leo P.
 Mills, Rav W., U. S. A.
 Mills, William P.
 Miner, Francis H.
 Mischeaux, Paul J.
 Mistretta, F. H.
 Mitchell, Addie W.
 Mitchell, Andrew B.
 Mitchell, E. G.
 Mitchell, James F.
 Mitchell, John W.
 Mitchell, Joseph E.
 Moffett, D. B.
 Moffitt, Melville M.
 Molzahn, Albert J.
 Moncrief, Wm. H., U. S. A.
 Monk, Frederick H.
 Monroe, Adolph.
 Montgomery, Chas. W.
 Montgomery, Frederick E.
 Montgomery, Jacob H.
 Montgomery, Winfield S.
 Mooney, Charles J.
 Moore, Howard R.
 Moore, Joseph B.
 Moore, Mark W.
 Moore, Mead.
 Moore, Seth E.
 Moore, Thomas V.
 Moore, W. Cabell.
 Moran, John F.
 Moren, Tomas Caligas.
 Morgan, Edward L.
 Morgan, Ernest Luther.
 Morgan, Francis P.
 Morgan, James D.
 Morgan, William E.
 Morgan, Wm. Gerry.
 Morhart, F. H.
 Morris, George G.
 Morris, Roy T.
 Morris, Samuel J.
 Morrison, Joseph.
 Morrison, E. L.
 Morrison, Mary E.
 Morrow, James O.
- Morse, Edward E.
 Morsell, William F.
 Morton, Dudley J.
 Moser, Jas. M.
 Motter, Murray G.
 Moulden, Wm. R.
 Mudd, Thomas D.
 Mulcahy, Daniel D.
 Muncaster, Stewart B.
 Muncey, Elizabeth B.
 Mundell, Joseph J.
 Mundy, Royal G.
 Munroe, David M.
 Munson, F. M., U. S. N.
 Munson, Leonard W.
 Munson, Reginald.
 Murdock, Lester H.
 Murphy, Christopher J.
 Murphy, John P. H.
 Murphy, Jos. A.
 Murphy, Walter C.
 Murray, J. Donaldson.
 Murray, P. B.
 Murray, T. Morris.
 Murrell, Edward H.
 Musgrave, Percy.
 Nagel, Patrick E.
 Napper, Walter P.
 Nash, Francis S.
 Neal, J. H.
 Neale, John S.
 Neale, Richard A.
 Neff, Wallace.
 Neill, Thos. E.
 Neilson, John L., U. S. N.
 Nelson, Cyrus W.
 Nelson, H. T., jr., U. S. N.
 Nelson, Nesmith P.
 Nesmith, Francis M.
 Nevitt, James R.
 Newberne, Robt. E. L.
 Newell, Lillie E.
 Newell, William M.
 Newell, William S.
 Newgarden, Geo. J., U. S. N.
 Newhouse, Benj.
 Newman, H. H.
 Newman, Lester.
 Newton, Carrie E.
 Newton, Philip.
 Nichols, Fenton Mereer.
 Nichols, John B.
 Nicholson, Leonard S.
 Nolan, Fred M.
 Norcom, Henderson S.
 Nordhoff-Jung, Sofia A.
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 Norris, John L.
 Norris, Leo Brisson.
 Norris, Pebe R.
 Norton, Edwin H.
 Norton, Rupert.
 Norton, William H.
 Norwood, John C.
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 Nutting, Hugh.
 Ober, George C.
 O'Brien, Emilie Y.
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 O'Donnell, Wm. F.
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 Olds, William J.
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 Oliver, H. J., jr.
 O'Malley, Mark.
 Ong, Henry A.
 O'Reilly, Thomas.
 Outlaw, John S.
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 Owens, Saml. Logan.
 Owens, W. O., U. S. A.
 Owsley, William T.
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 Page, Wm. M.
 Park, Francis E.

- Parker, Edward M.
 Parker, Henry P.
 Parker, Joseph M.
 Parkinson, Bernard A.
 Parrow, Thos., jr.
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 Parsells, Chas. W.
 Parsons, Alfred V.
 Parsons, Mary A.
 Parsons, Starr.
 Parsons, Wm. T.
 Patten, William F.
 Patterson, Edwin W.
 Peck, Luke B.
 Pedrick, Franklin B.
 Pelzman, Ivy A.
 Pence, Charles W.
 Penrod, Hiram J.
 Penrose, Clement A.
 Perival, Francis R.
 Perkins, Louis J.
 Perkins, Robt. W.
 Perkins, Thomas L.
 Peterson, Bowman H.
 Peterson, George.
 Petters, Frederick H.,
 U. S. A.
 Petveys, Charles V.
 Pettus, W. J., U. S. P.
 H. S.
 Peyton, Harry A.
 Pfeiffer, John Arthur F.
 Pfentor, Charles A.
 Phelps, Wilbur M.
 Phelps, William P.
 Philes, Wm. E.
 Phillips, Francis M.
 Phillips, S. H.
 Phillips, Walter F.
 Phillips, William F. R.
 Piburn, John Logan.
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 Pickrell, Geo., U. S. N.
 Pierre, Samuel M.
 Piggott, John Burr.
 Pile, Mayne M.
 Pillsbury, Henry C.,
 U. S. A.
 Pipes, Henry F.
 Pitznogle, J. E.
 Pleadwell, F. L., U. S. N.
 Pole, Samuel B.
 Polkinhorn, Henry A.
 Pool, Benjamin G.
 Poole, Francis H.
 Poore, Thos. A.
 Porter, Herbert W.
 Porter, James A.
 Portman, Adeline E.
 Posey, Orlan to J.
 Potter, James A.
 Potter, Margaret S.
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 Powell, Robt. J.
 Power, E. M.
 Powers, Richard L.
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 Pratt, Alexis L.
 Pratt, John P.
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 Prentiss, Elliott C.
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 Price, Harry M.
 Price, Malvern H.
 Price, P. Willis.
 Price, Walter.
 Price, William K.
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 Pulsifer, Woodbury.
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 Purman, J. J.
 Purman, Lewis O.
 Purman, Rose M.
 Purnell, William W.
 Purvis, Charles B.
 Putzki, Paul S.
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 Pyles, Richard A.
 Pyles, Wm. L.
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 Quick, Tunis C.
 Quinn, William A.
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 Ragan, Charles A.
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 Rantall, Jas. H., U. S. N.
 Raniolph, B. M.
 Ransdell, R. C.
 Ransom, Stacy A.
 Rautenberg, Arthur G.
 Rautenberg, Lewis E.
 Ravenburg, Rudolph.
 Rawson, George Henry.
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 Raymond, John U.
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 Read, Effie A.
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 Ready, Michael J.
 Reasoner, M. A., U. S. A.
 Rector, Frank L.
 Reed, Chas. E.
 Reed, D. H.
 Reed, Joseph O.
 Reede, E. H.
 Reeve, Delos N.
 Reeve, Jesse N.
 Reeves, Will H.
 Reeves, William P.
 Reger, Harry S.
 Reiber, M. R.
 Reichelderfer, Luther H.
 Reid, Eva Charlotte
 Reinhardt, Otto M.
 Reis, Henry, jr.
 Reisinger, Emory W.
 Reiss, George S.
 Rench, Victor B.
 Repetti, Fred.
 Repetti, Frederick F.
 Repetti, John J.
 Reville, Laura M.
 Reyburn, Ella F.
 Reyburn, Eugenia.
 Reyburn, Robert, jr.
 Reynard, Walter.
 Reynolds, Dexter P.
 Reynolds, Fred P., U. S. A.
 Rhoes, Benjamin R.
 Rhoades, Thos. L., U. S. A.
 Rice, E. Clarence, jr.
 Rich, Frank R.
 Richards, Alfred.
 Richards, Nancy D.
 Richardson, Charles W.
 Richardson, Edward E.
 Richardson, George H.
 Richardson, Gustavus A.
 Richardson, James J.
 Richey, Stephen O.
 Richmond, Paul.
 Ridgeley, Albert.
 Riegel, William A. L.
 Riggles, J. Lewis.
 Riggs, D. H.
 Riker, Geo. A., U. S. N.
 Riley, Josephine.
 Riley, Phil. C.
 Riley, Terrance G.
 Rives, William C.
 Roane, James.
 Robbins, Ansel J.
 Robbins, Chas. S.
 Roberts, Edwin E.
 Roberts, Robert R.
 Roberts, William.
 Robins, William L.
 Robinson, B. G. M.
 Robinson, E. A.
 Robinson, Thomas.
 Robnett, A. Hamilton.
 Rogers, J. D.
 Rollings, J. A.
 Rollins, Harry W.
- Romaine, Frank W.
 Roman, Frederick O.
 Rosenau, M. J., P. H. S.
 Rosenberg, L. Chas.
 Ross, Julian Waldo.
 Ross, Louise.
 Rossiter, Thomas J.
 Roush, Alva S.
 Roy, Philip S.
 Ruble, Wells A.
 Rudy, Robert C.
 Ruffin, Geo. M.
 Ruffin, Sterling.
 Rule, Amy J.
 Russell, F. F., U. S. A.
 Russell, Howard C.
 Russell, Murray A.
 Rutherford, Jesse B.
 Sacks, Samuel.
 Saffold, Guy Stark.
 Safford, James P.
 Sage, John B.
 St. Clair, Francis A.
 St. Clair, Francis O.
 Samson, George C.
 Sanders, C. H.
 Sanderson, Fred. R.
 Sappington, Ernest F.
 Savage, Linnaeus S.
 Savoy, W. S.
 Sawyer, John F.
 Sawtelle, Henry F.
 Sawtelle, H. W., P. H. S.
 Scarlot, Nicolo.
 Schaeffer, Edward M.
 Schelksohn, Otto W.
 Schench, Chas. P.
 Schildroth, Henry T.
 Schirch, George J.
 Schloer, Chas. A.
 Schmidt, Lawrence M.,
 U. S. N.
 Schneider, Elwin C.
 Schneider, Francis A.
 Schoonover, Robert A.
 Schreiber, Henry R.
 Schreiner, E. R., U. S. N.
 Schrieker, Walter F.
 Schrieber, F. C.
 Schunniar, H. T., U. S. A.
 Schwartz, Grover C.
 Schwartz, E. W.
 Scott, Sidney L.
 Scott, James F.
 Seurlock, Herbert C.
 Seabrook, Jesse M.
 Seibert, Edward G.
 Seitz, Roy E.
 Selby, John H.
 Selinger, Maurice A.
 Selman, John P., jr.
 Selzer, Henry H.
 Sessford, Joseph S. F.
 Sewell, Charles A.
 Sewell, Richard G.
 Sexton, R. Lyman.
 Shade, Neven B.
 Shands, Aurelius R.
 Sharp, John R.
 Shaw, John W.
 Shea, William F.
 Shearer, Juliet G.
 Sheehan, R., U. S. N.
 Sheep, Wm. Lloyd.
 Shekell, Abraham.
 Sheldon, L., U. S. N.
 Shelley, Albert.
 Shepard, Jackson B.
 Sherwood, M. W.
 Shipp, Edward M.,
 U. S. N.
 Shirley, John J.
 Shoup, Jesse.
 Shute, Augusta P.
 Shute, Daniel K.
 Sillers, Robert F.
 Silvers, H. I.
 Silvester, Richard Lee.
 Simmons, Alice M. B.
- Simmons, Maynard J.
 Simmons, Sherod S.
 Simonton, Laurence J.
 Simpson, Charles A.
 Simpson, Edward P.
 Simpson, Geo. F.
 Simpson, John C.
 Sims, William E.
 Sisco, H. N.
 Skinner, J. O., U. S. A.
 Slattery, John J.
 Slaughter, B. Rosalie.
 Sloat, J. Irving.
 Smart, Benjamin H.
 Smart, Robt., U. S. A.
 Smith, Arthur C.
 Smith, C. A.
 Smith, Chas. Gordon.
 Smith, D. O.
 Smith, Ernest W.
 Smith, Frank F.
 Smith, George W.
 Smith, Geo. T., U. S. N.
 Smith, Hugh M.
 Smith, John E.
 Smith, John J. H.
 Smith, Joseph A.
 Smith, Julia E.
 Smith, Leon J.
 Smith, Lucian C.
 Smith, Percy G.
 Smith, Peter M.
 Smith, Stephen H.
 Smith, Silas Le Roy.
 Smith, Thomas C.
 Smith, Thos. F.
 Snow, Carydon G.,
 U. S. A.
 Snowden, Arthur.
 Snowden, Edgar.
 Snyder, Arthur A.
 Sohon, Elizabeth.
 Sohn, Frederick.
 Somerville, John W.
 Sommer, Henry Ott.
 Sorrell, George R.
 Sotheron, Elmer.
 Sotheron, Levin J.
 Souter, William N.
 Sowers, William F.
 Sowers, Zachariah T.
 Sparks, W. C.
 Spear, Raymond, U. S. N.
 Spelden, Edgar.
 Spellman, Frank J.
 Spencer, John B.
 Spiegel, Harry A.
 Spire, Richard Lee.
 Spragg, William M.
 Squire, Linus T.
 Squire, Susanna J.
 Stacknewicz, Vincent J.
 Stalmaker, Paul R.,
 U. S. N.
 Stanley, A. C., U. S. N.
 Stanton, Wm. J.
 Staples, Aubrey H.
 Stark, A. N., U. S. A.
 Starr, Emma M. C.
 Stavely, Albert L.
 Stearns, John S.
 Stearns, J. Warren.
 Stelz, P. H., jr.
 Stephenson, Eugene T.
 Stepp, J. U. S. N.
 Sterne, Charles F.
 Stetson, Thomas.
 Stevens, Albert H.
 Stevens, Edward.
 Stevens, Henry C.
 Stevenson, Fare C.
 Stewart, H. D. Floyd.
 Stewart, John W.
 Stewart, Myra C.
 Stewart, William A.
 Stiles, George W., jr.
 Stiles, Henry R., U. S. A.
 Stimpson, W. G.,
 P. H. S.

Stoddard, Leroy R.
 Stokes, Chas. F., U. S. N.
 Stone, Charles G.
 Stone, E. P., U. S. N.
 Stone, Isaac S.
 Stone, James H.
 Stone, John H., U. S. A.
 Stoneroad, Rebecca.
 Story, James J.
 Story, Leon E.
 Stout, Henry I.
 Stout, Joseph D.
 Stout, May Turner.
 Stoutenburgh, John A.
 Stowell, Charles H.
 Stratton, Ernest K.
 Strawn, Estil Young.
 Street, Daniel B., jr.
 Street, Harlow R.
 Strine, H. F., U. S. N.
 Strobel, Mary L.
 Stromberger, H. H.
 Stuart, Albert R.
 Stuart, Garden C.
 Stuart, James.
 Stutz, John A.
 Suddarth, James L.
 Sudler, Oden R.
 Sudler, Thomas.
 Sullivan, Timothy Joseph
 Sullivan, Robert Y.
 Sullivan, Welbie L.
 Sult, Chas. W.
 Summy, Benn W.
 Supplee, E. D.
 Suter, Henderson.
 Suter, W. Given.
 Sutherin, John W.
 Sutliff, Milo H.
 Sutton, Dallas G.
 Sutton, R. N.
 Swain, Benj. H.
 Swain, Oliver A. T.
 Swartwout, Frank A.
 Swett, Fred K.
 Swormstedt, Lyman B.
 Syme, William H.
 Talbott, Edw. M., U. S. A.
 Talbott, John Allen, jr.
 Tappan, Joseph C.
 Tasker, Arthur N.
 Tastet, David W.
 Tayloe, Harry M.
 Taylor, Alfred H.
 Taylor, Chase.
 Taylor, Eugene A.
 Taylor, James E. H.
 Taylor, L. H.
 Taylor, Sterling P.
 Tefft, Frederick O.
 Tennant, Albert A.
 Terry, Elmer Claytor.
 Terry, Philip R.
 Test, Frederick C.
 Tewksbury, Wm. D.
 Thomas, Ada R.
 Thomas, Carrie H.
 Thomas, John D.
 Thomas, Wm. J. G.
 Thompkins, Wm. J.
 Thompson, Alex. C.
 Thompson, Edgar, U. S. N.
 Thompson, Edgar D.
 Thompson, Henry P. P.
 Thompson, J. Lawa.
 Thompson, Lewis R.
 Thompson, Millard F.
 Thompson, Silas S.
 Thompson, Lewis B.
 Thonssen, William J. R.
 Tibbet, Albert P.
 Tignor, Chas. A.
 Tignor, William L.
 Tilton, Joel A.
 Tindall, Percy A.
 Titus, Elijah W.
 Tobias, Henry W.
 Tobin, Richard Francis.
 Tolson, Wm. A.
 Tomlin, Timothy H.
 Tompkins, Edmund L.
 Tompkins, George J.
 Towner, Frank H.
 Townsend, Jas. G.
 Townshend, G. D.
 Trent, Jos. P.
 Tribble, G. B., U. S. N.
 Trimbble, Robt. S.
 Trow, Walter G.
 Trudgian, Josiah B.
 Tubman, James R.
 Tucker, William P.
 Turner, Molyneaux.
 Turtton, Wm. E.
 Tuttle, A. D., U. S. A.
 Twogood, Merton E.
 Tyler, Robert B.
 Ulmer, Charles A.
 Upham, William C.
 Upshaw, Thomas L.
 Vail, Wm. C.
 Vale, Frank P.
 Valentine, Aloysius W.
 Van Keuren, Jesse P.
 Van Rensselaer, John.
 Van Sweringer, Walter.
 Vaughan, Geo. T.
 Vaughan, J. M.
 Vaughan, W. W.
 Verbrycke, J. Russell.
 Vincent, Thomas N.
 Vinciguerra, Michael.
 Von Ezdorf, Rudolph H.
 Wagner, Henry G.
 Wagner, Robert S.
 Wagner, William F.
 Walker, Abbott R.
 Walker, C. C.
 Walker, Lewis A.
 Walker, Mary E.
 Walker, Robert A.
 Walker, R. B.
 Wall, Joseph S.
 Wall, M. C.
 Wall, Max.
 Wallace, C. Jaquius.
 Wallace, Clifton R.
 Walsh, Ferdinand C.
 Walsh, John E.
 Walsh, Ralph.
 Walter, Leroy D.
 Walter, William F.
 Ward, Samuel A.
 Ward, William K.
 Warden, H. F. W.
 Warfield, William A.
 Waring, James H. N.
 Waring, J. B. H.
 Warner, Carden F.
 Warner, John W.
 Warner, Richard A.
 Warren, Benj. S.
 Warren, George W.
 Warren, Stanley S.
 Washburn, William S.
 Washington, Richard.
 Waters, Chas. H.
 Waters, Chas. L.
 Watkins, Edgar W.
 Watkins, Samuel E.
 Watkins, Victor E.
 Watson, Charles L.
 Watson, Edward J.
 Watson, James A.
 Weaver, Clarence A.
 Weaver, C. H., U. S. N.
 Webb, Daniel A.
 Webb, Frank R.
 Webb, Newton E.
 Webb, W. D., U. S. N.
 Webster, Lenora P.
 Wechsler, Benj. B.
 Weed, Mark D., U. S. A.
 Weller, Geo. L.
 Weirich, Samuel T., U. S. A.
 Wellington, John R.
 Wells, Charles A.
 Wells, Walter A.
 Wells, Wm. A., jr.
 Wenger, Wm. H.
 Wenzel, Albert G.
 Werber, Gustavus E.
 Wertenbaker, Clark I.
 West, Charles I.
 West, John H.
 West, Richard T.
 West, William E.
 Westlake, John A.
 Wetmore, William O.
 Whaley, A. M., U. S. A.
 Wharton, John J., jr.
 Wheatley, Charles.
 Wheeler, A. J.
 Whipper, Rollin W.
 Whitby, F. D.
 White, Charles S.
 White, Davenport.
 White, Ellen P. C.
 White, Lyle C.
 White, S. A., U. S. A.
 Whitney, Charles F.
 Whitney, Lawrence.
 Whitney, Walter.
 Whitson, Wm. Essex.
 Whittington, Thos. A.
 Wickliffe, Thompson F.
 Wiese, E. Robert.
 Wiggins, Dallas B.
 Wilder, James R.
 Willey, Clarence C.
 Wilkinson, Alfred D.
 Wilkinson, Oscar.
 Wilkinson, Walter W.
 Willis, H. Clay.
 Willis, John M.
 Willets, David G.
 Williams, Alexander W.
 Williams, Daniel H.
 Williams, Geoffrey.
 Williams, H. J.
 Williams, J. Buxton, jr.
 Williams, Reginald O.
 Williams, Tom A.
 Williams, Weldon C.
 Williamson, L. P., U. S. A.
 Williston, Edward D.
 Willson, Prentiss.
 Wilmer, William H.
 Wilson, Anita A.
 Wilson, Edmund C. A.
 Wilson, Edward C.
 Wilson, Lewes D.
 Wilson, Wm. H.
 Wimberly, Geo. W.
 Winslow, John R.
 Wirt, Wm. D.
 Wolfe, Edwin P.
 Wolfe, James T.
 Wood, Amos D.
 Wood, George W.
 Wood, N. N., U. S. N.
 Wood, Wm. P.
 Woode, Charles H.
 Woods, Edgar L., U. S. N.
 Woodson, T. D., U. S. N.
 Woodward, H. Wells.
 Woodward, James S., U. S. N.
 Woodward, William C.
 Woollen, L. J.
 Wooster, Mary L.
 Wooster, Walter M.
 Wright, Clarence A.
 Wright, George H.
 Wright, Hamilton K.
 Wright, Wilbur L.
 Wurdemann, H. V.
 Wyeth, Marlborough C., U. S. A.
 Wynkoop, James C.
 Yarnall, John H.
 Yarrow, Henry C.
 Yates, Frederick.
 Young, Claudius J.
 Young, Clement C.
 Young, Clifton E.
 Young, Glendie B.
 Young, Wm. G.
 Yount, Clarence E.
 Zimmerman, Charles St. V.
 Zinkhan, A. M.
 Zinkhan, Paul H.

APPENDIX H.

REPORT OF CHIEF OF BUREAU OF VITAL STATISTICS.

OCTOBER 21, 1918.

SIR: I have the honor to submit herewith a report relative to vital statistics of the District of Columbia for the calendar year 1917, embraced chiefly in the accompanying tables.

Population.—The population, according to the enumeration of the police department in the fall of 1917 was 395,947, an increase since the census of 1915 of 38,198. The white population was 293,329, showing an increase of 34,389; the colored, 102,618, an increase of 3,809. There were 190,567 males and 205,380 females.

It is to be regretted that Table 7, which considers mortality as to various statistical districts and comparative mortality with regard to alleys and streets, and its subdivisions could not be completed in time for this report and are therefore omitted from the statistical appendix. These omissions were made necessary on account of the loss of clerical assistance, occasioned by demands for war service and inability to fill the vacancies thus created.

General mortality.—Deaths from all causes during the calendar year 1917 numbered 6,687, of which 4,070 were white persons and 2,617 colored. The white deaths represent a death rate of 13.88, the colored death rate was 25.50, and the general rate 16.89.

Comparative race mortality.—The following statement shows the ratio between the death rates of the white and colored races from certain specified diseases:

Comparative race mortality.

Diseases.	Death rate per 100,000.		Ratio of death rates, white to colored.
	White.	Colored.	
Accidents and negligence.....	76.9	90.6	1 to 1.18
Alcoholism.....	3.4	10.7	1 to 3.15
Bronchitis (all forms).....	13.6	18.4	1 to 1.35
Cerebral hemorrhage.....	108.4	167.6	1 to 1.55
Cirrhosis of liver.....	11.6	5.8	1 to 0.50
Convulsions, infantile.....	0.7	6.8	1 to 9.70
Diarrhea, etc., under 2 years.....	35.8	118.9	1 to 3.32
Dysentery.....	1.4	2.9	1 to 2.07
Marasmus and inanition, under 1 year.....	9.3	17.5	1 to 1.88
Nephritis:			
Acute.....	10.9	43.9	1 to 4.03
Chronic.....	135.3	235.8	1 to 1.07
Pericarditis, endocarditis, myocarditis.....	19.1	101.3	1 to 5.30
Pneumonia, all forms.....	112.5	298.3	1 to 2.65
Premature birth.....	35.1	102.3	1 to 2.91
Puerperal nephritis and eclampsia.....	2.4	6.8	1 to 2.83
Puerperal septicemia.....	0.4	14.6	1 to 36.50
Pulmonary hemorrhage.....	1.4	11.7	1 to 8.36
Rheumatism, acute and chronic.....	5.5	7.8	1 to 1.42
Rickets.....	0.0	10.7	1 to
Senility.....	31.4	33.1	1 to 1.05
Syphilis, congenital.....	3.4	24.4	1 to 7.18
Suicides.....	22.8	8.8	1 to 0.39
Tuberculosis:			
Abdominal.....	3.4	8.8	1 to 2.59
Generalized.....	0.7	1.0	1 to 1.43
Pulmonary.....	93.4	311.9	1 to 3.34
Typhoid fever.....	5.1	33.1	1 to 6.49
Valvular heart disease.....	168.4	275.8	1 to 1.61
Whooping cough.....	2.8	9.7	1 to 3.46

Mortality in relation to age.—The average age of all decedents during 1917 was 45 years and 27 days, an increased age at death of 1 month and 25 days over 1916. The average age of the white decedents was 49 years, 11 months, and 24 days, and that of the colored 37 years, 5 months, and 8 days.

The following table shows the average age of decedents by race and sex during 1916 and 1917, compared:

Average age of decedents, 1916 and 1917.

Race.	Male.			Female.			All.		
	Years.	Months.	Days.	Years.	Months.	Days.	Years.	Months.	Days.
White decedents:									
1916.....	48	7	6	51	9	7	49	11	28
1917.....	48	10	24	51	3	29	49	11	24
Colored decedents:									
1916.....	36	9	24	37	3	4	37	.....	11
1917.....	36	8	1	38	2	21	37	5	8
All decedents:									
1916.....	44	2	19	45	9	2	44	11	2
1917.....	44	4	17	45	10	14	45	.....	27

Infant mortality.—The death rate among infants less than 1 year of age has consistently declined with occasional yearly variation since 1901, as may be seen from the following table:

Death rates under 1 year of age, computed on reported births.

Year.	White.			Colored.			Total.		
	Births.	Deaths under 1 year.	Death rate per 1,000 births.	Births.	Deaths under 1 year.	Death rate per 1,000 births.	Births.	Deaths under 1 year.	Death rate per 1,000 births.
1901-1905 ¹	3,429	519	151	1,980	650	328	5,409	1,169	216
1906-1910.....	4,632	522	113	2,268	592	261	6,900	1,114	161
1911-1915 ¹	4,794	411	86	2,234	424	189	7,028	835	119
1916.....	5,042	413	82	2,216	353	159	7,258	766	106
1917.....	5,291	373	70	2,228	357	160	7,519	730	97

¹ Annual average for 5-year period.

Mortality with reference to causes of death.—The following statement shows comparison between the number of deaths during 1916 and 1917, separately classified according to certain disease groups and arranged with reference to race. For detailed information concerning the various diseases comprised in these groups, the number of deaths from each disease, and other data reference should be made to the general statistical Table No. 1 and its subdivisions in appendix.

Mortality as to disease groups, 1916 and 1917, compared.

Disease group.	White.				Colored.			
	Male.		Female.		Male.		Female.	
	1916	1917	1916	1917	1916	1917	1916	1917
General diseases.....	519	495	423	485	350	325	354	329
Nervous system.....	266	259	206	221	113	119	115	138
Circulatory system.....	416	422	344	304	194	210	182	237
Respiratory system.....	198	231	178	181	206	209	173	146
Digestive system.....	169	186	150	158	111	113	110	107
Genito-urinary system.....	281	281	182	199	145	164	145	162
Puerperal state.....			30	27			32	32
Skin and cellular tissue.....	13	8	4	5	10	10	3	9
Organs of locomotion.....	9	7	2	3	3		1	3
Malformations.....	14	21	10	10	4	2	1	3
Infancy.....	117	93	81	72	79	69	55	72
Old age.....	26	37	52	55	18	12	25	22
Violence.....	184	212	76	94	73	87	33	35
Ill-defined diseases.....	2	3	1	1	4	1	2	1
Total.....	2,214	2,255	1,739	1,815	1,310	1,321	1,231	1,296

Suicides.—Seventy-six persons committed suicide during 1917, of whom 67 were white and 9 colored. This number is 12 less than was recorded for the previous year. The various methods employed for self-murder were as follows: Twenty-three (22 white and 1 colored) used illuminating gas, 21 (18 white and 3 colored) used firearms, 10 white and 3 colored committed suicide by means of poison, 6 white and 1 colored used cutting instruments, 5 white and 1 colored died by hanging, 5 white by drowning, and 1 white from jumping from a high place.

As to the age of those who died by suicide, 3 were between 10 and 19 years of age, 20 between 20 and 29 years, 13 between 30 and 39 years, 17 between 40 and 49 years, 11 between 50 and 59 years, 9 between 60 and 69 years, 2 between 70 and 79 years, and 1 between 80 and 89 years.

Suicides among married people were 30, unmarried 31, widowed 5, and those whose marital relation was unknown, 10.

Suicides whose birthplace was the District of Columbia numbered 15. Thirty-five were born in other parts of the United States, 11 were foreign born, and 15 were of those whose nativity was undetermined.

Births.—There were 7,519 live births registered during 1917, of which 5,291 were white babies and 2,228 colored.

Vital statistics for the first half of the calendar year 1918.—The following statement shows the morbidity and mortality in the District of Columbia during the first six months of 1917, with corresponding figures for the first six months of 1918 of certain reportable and other diseases together with deaths due to violence.

Reportable cases of illness and deaths in the District of Columbia, during the first half of the calendar year 1918, with the corresponding figures for the first half of the calendar year 1917.

	Cases of reportable disease.		Deaths.				Total.	
			White.		Colored.			
	1917	1918	1917	1918	1917	1918	1917	1918
External causes:								
Accidents and negligence.....			84	99	36	47	120	146
Homicides.....			10	10	10	16	20	26
Suicides.....			39	32	5	1	44	33
Natural causes.....			2,042	2,289	1,281	1,425	3,323	3,714
Total.....			2,175	2,430	1,332	1,489	3,507	3,919
Special diseases:								
Bronchitis.....			23	32	11	22	34	54
Chickenpox.....	691	635						
Diarrheal diseases:								
Under 2 years.....			14	15	23	23	37	38
2 years and over.....			18	24	9	16	27	40
Diphtheria.....	332	364	14	17	1		15	17
Measles.....	3,047	6,850	2	41	2	7	4	48
Meningitis, epidemic cerebrospinal.....	19	98	6	17	4	8	10	25
Pellagra.....	6	8		3	4	1	4	4
Pneumonia.....			220	335	189	313	409	648
Pulmonary congestion.....			7	5	2	1	9	6
Tuberculosis, all forms.....	491	611	161	158	207	192	368	350
Rheumatism, acute.....			5	7	3		8	7
Scarlet fever.....	269	788	5	14			5	14
Smallpox.....	3	30						
Typhoid fever.....	65	45	3	8	8	8	11	16
Whooping cough.....	686	819	5	8	3	7	8	15
All other diseases.....			1,559	1,605	815	827	2,374	2,432
External causes, as above.....			133	141	51	64	184	205
Total.....	5,609	10,248	2,175	2,430	1,332	1,489	3,507	3,919

Very respectfully,

A. C. PATTERSON, M. D.,
Chief, Bureau of Vital Statistics.

Dr. WM. C. WOODWARD,
Health Officer, District of Columbia.

TABLE 1a.—Showing deaths and death rates in the District of Columbia during the calendar year 1917, arranged with reference to race and sex, and classified with reference to causes of death.

Calendar year 1917.													
Cause of death.	Total deaths.			General death rates.			Per-centage of each cause to total.	Deaths by race and sex.				Total by sex.	
	White.	Col-ored.	Total.	White.	Col-ored.	Total.		White.		Colored.		Male.	Fe-male.
										Male.	Fe-male.		
I. General diseases.													
1 Typhoid fever.....	15	34	49	0.051	0.331	0.124	0.733	7	8	18	16	25	24
2 Typhus fever.....													
3 Relapsing fever.....													
4 Malaria.....	1	4	5	.003	.039	.013	.075	1	4		4	1	4
5 Smallpox.....													
6 Measles.....	12	2	14	.041	.020	.035	.209	10	2	2		12	2
7 Scarlet fever.....	8	8	16	.027	.020	.020	.120	7	1			7	1
8 Whooping cough.....	8	10	18	.028	.097	.046	.269	2	6	3		5	13
9 Diphtheria and croup.....	28	9	37	.095	.088	.094	.553	13	15	6		3	18
10 Influenza (grippe).....	69	40	109	.225	.390	.298	1.585	28	38	16		24	62
11 Military fever.....													
12 Asiatic cholera.....													
13 Cholera nostras.....													
14 Dysentery.....	4	3	7	.014	.020	.018	.105	3	1			3	4
15 Plague.....													
16 Yellow fever.....													
17 Leprosy.....													
18 Erysipelas.....	12	3	15	.041	.029	.038	.224	7	5			7	8
19 Other epidemic diseases.....													
20 Purulent infection and septicoemia.....	13	4	17	.044	.039	.043	.254	6	7	2		8	9
21 Glanders.....													
22 Anthrax.....													
23 Rabies.....													
24 Tetanus.....	3	4	7	.010	.039	.018	.104	3	1	3		6	1
25 Actinomycosis.....	2		2	.007		.005	.030	2				2	
26 Pellagra.....													
27 Beriberi.....	5	9	14	.017	.087	.035	.299	1	4	2		3	11

TABLE 1a.—Showing deaths and death rates in the District of Columbia during the calendar year 1917, arranged with reference to race and sex, and classified with reference to causes of death—Continued.

Calendar year 1917.															
Cause of death.		Deaths by race and sex.													
		Total deaths.			General death rates.			Per-centage of each cause to total mor-tality.		Colored.				Total by sex.	
										White:		Colored.			
										White.	Col-ored.	Male.	Fe-male.			Male.	Fe-male.
I. General diseases—Continued.															
Tuberculosis:															
28	Pulmonary.....	274	320	594	0.934	3.119	1.501	8.882	170	104	171	149	341	253	
29	Acute miliary.....	4	9	13	.014	.087	.033	.194	2	2	5	4	7	6	
30	Meningeal.....	12	14	26	.041	.136	.066	.389	8	4	9	5	17	9	
31	Abdominal.....	10	9	19	.034	.088	.048	.284	5	5	6	3	11	8	
32	Spinal.....	2	2	4	.007	.019	.010	.060	1	1	1	1	2	2	
33	Of joints.....	3	1	4	.010	.010	.010	.069	3	1	2	1	3	1	
34	Of other organs.....	3	5	8	.010	.049	.020	.119	1	2	2	3	3	5	
35	Disseminated.....	2	1	3	.007	.010	.008	.045	1	2	1	3	1	2	
36	Rickets.....		11	11		.107	.028	.164			5	6	5	6	
37	Syphilis:														
	Acquired.....	10	15	25	.034	.146	.063	.374	8	2	10	5	18	7	
	Congenital.....	10	25	35	.034	.244	.088	.523	5	5	15	10	20	15	
38	Gonorrheal infection.....														
39	Cancer of buccal cavity:														
	1. Jaw.....	4	4	8	.014	.039	.020	.120	3	1	1	3	4	4	
	2. Lip.....	2	2	4	.007	.005	.030	.080	1	1	1	2	1	1	
	3. Mouth.....	1	1	2	.003	.010	.005	.030	1		1	1	2	1	
	4. Palate.....		1	1		.010	.002	.015			1	1	1	1	
	5. Tongue.....	11	2	13	.038	.019	.033	.194	10	1	2	12	12	1	
	6. Tonsil.....	1	1	2	.003	.003	.003	.015	1	1	1	1	1	1	
40	Cancer of—														
	1. Liver.....	51	5	56	.174	.049	.141	.837	19	32	4	1	23	33	
	2. Oesophagus.....	7	7	14	.024	.018	.018	.105	6	1	1	1	6	1	
	3. Stomach.....	69	23	92	.235	.224	.232	1.376	37	32	12	11	49	33	
41	Cancer of intestines.....	45	5	50	.153	.049	.126	.748	17	28	1	4	18	32	
42	Cancer of—														
	1. Clitoris.....	1	1	2	.003	.002	.002	.015		1			1	1	
	2. Ovary.....	4	4	8	.014	.010	.010	.060		4			4	4	
	3. Uterus.....	38	19	57	.129	.185	.144	.852		38		19	4	57	

43	Cancer of breast.....	38	5	43	.130	.049	.109	.643	38	5	4	43
44	Cancer of face.....	7		7	.024		.017	.104				3
45	Cancer of—											
	1. Abdomen.....	2		2	.007		.005	.030	2			2
	2. Arm.....	1		1	.004		.003	.015	1			1
	3. Axilla.....	1	1	1	.003	.010	.005	.030	1	1		1
	4. Bladder.....	16	1	17	.055	.010	.043	.254	8	1	9	8
	5. Bone.....	4		4	.014		.010	.060	4		4	
	6. Chest.....	1		1	.003		.002	.015	1			1
	7. Ear.....											
	8. Eye.....	1		1	.003		.003	.015	1			1
	9. Generalized.....	3		3	.010		.008	.045	3			3
	10. Glans.....	1		1	.003		.002	.015	1		1	
	11. Kidneys.....	5		5	.017		.013	.075	4	1		1
	12. Larynx.....	4		4	.014		.010	.060	4		4	
	13. Lungs.....	3	1	4	.010	.009	.010	.060	1	1	1	3
	14. Mediastinum.....	2		2	.007		.005	.030	1	1		1
	15. Neck.....	4	2	6	.014	.020	.015	.090	4	1	5	2
	16. Pancreas.....	4		4	.014	.010	.013	.075	3	1	1	1
	17. Pelvis.....	1		1	.003		.003	.015	1		1	
	18. Peris.....	1		1	.003	.010	.002	.015	1			1
	19. Prostate.....	10		10	.034		.024	.150	10		10	
	20. Shoulder.....	1	1	1	.009		.003	.015	1			1
	21. Spine.....	1		1	.010		.002	.015	1		1	
	22. Throat.....	1		1	.003		.003	.015	1			1
	23. Thyroid.....	2	1	2	.007	.010	.002	.015	2	1		1
	24. Viscera.....	2		2	.003		.005	.030	2		2	
46	Tumors nonmalignant.....	7		7	.003		.002	.015	3	1	4	9
47	Rheumatism, acute.....	1		1	.024	.058	.033	.194	3	1	5	4
48	Rheumatism, chronic, and gout.....	9	2	11	.031	.020	.028	.164	3	1	4	7
49	Scurvy.....	50	15	65	.170	.146	.164	.972	25	4	11	36
50	Diabetes.....	6	1	7	.020	.010	.018	.105	1	1	29	5
51	Exophthalmic goiter.....	6	1	7	.007	.009	.008	.045	1	1	2	2
52	Addison's disease.....	6	1	7	.021	.010	.018	.104	3	1	3	4
53	Leukemia.....	22	5	27	.075	.049	.068	.404	11	2	13	14
54	Anemia.....	10		10	.034		.024	.150	3		3	7
55	Other general diseases:											
	1. Acidosis.....	2	1	3	.007	.010	.008	.045	2	1	1	2
	2. Hemophilia (3 months and over).....	2	2	4	.007	.019	.010	.060	1	1	2	2
	3. Purpura hemorrhagica.....	10	11	21	.034	.107	.053	.314	8	2	17	4
56	Alcoholism.....											
57	Lead poisoning, chronic.....											
58	Other chronic occupational poisoning.....											
59	Salivation.....	1		1	.003		.003	.015	1		1	
Total, general diseases.....		980	654	1,034	3,340	6,373	4,127	24,435	485	325	329	814
II. Diseases of nervous system and organs of special sense.												
60	Cerebral abscess.....	3	3	6	.010	.029	.015	.090	3		2	2
61	Meningitis, epidemic.....	10	7	17	.034	.068	.043	.254	10	1	16	1
	Simple.....	21	5	26	.072	.049	.066	.389	10	3	12	14
62	Locomotor ataxia.....	3	3	6	.010	.029	.015	.090	2	1	6	1

TABLE 1a.—Showing deaths and death rates in the District of Columbia during the calendar year 1917, arranged with reference to race and sex, and classified with reference to causes of death—Continued.

Cause of death.		Calendar year 1917.									
		Total deaths.			General death rates.			Deaths by race and sex.			Total by sex.
		White.	Col-ored.	Total.	White.	Col-ored.	Total.	Male.	Fe-male.	Colored.	
II. Diseases of nervous system and organs of special sense—Con.											
Other diseases of spinal cord:											
63	1. Atrophy, progressive muscular	3	1	4	0.010	0.010	0.010	2	1	1	2
	2. Myelitis, diffuse	3	1	4	.011	.010	.000	1	3	1	4
	3. Paralysis, agitans	2	2	4	.007	.010	.005	1	1	1	1
	4. Paralysis, Bulbar	1	1	2	.003	.002	.015	1	1	1	1
	5. Poliomyelitis	2	2	4	.007	.005	.030	1	1	1	1
	6. Sclerosis, spinal	8	1	9	.027	.010	.023	5	3	1	6
64	Cerebral hemorrhage	318	172	490	1.084	1.676	1.237	147	171	107	276
	Cerebral softening	2	2	4	.007	.020	.010	2	2	2	2
65	Paralysis, unqualified	54	26	80	.184	.253	.202	49	5	7	68
66	Paralysis, general, of the insane	9	8	17	.031	.074	.043	6	3	7	10
68	Mental alienation	15	17	32	.051	.165	.081	10	5	4	23
69	Epilepsy	2	7	9	.007	.008	.023	1	1	7	8
70	Convulsions (nonpuerperal), 5 years and over										
71	Convulsions (under 5 years)										
72	Chorea	2	2	4	.007	.005	.005	2	2	2	2
73	Neuritis										
74	Other diseases of nervous system:										
	1. Craniectomy	1	1	2	.003	.003	.003	1	1	1	1
	2. Epilepsy, traumatic	1	2	3	.003	.005	.015	1	1	1	1
	3. Huntington's chorea	2	2	4	.003	.005	.030	1	1	1	1
	4. Idiocy	1	1	2	.003	.003	.015	1	1	1	1
	5. Jacksonian epilepsy	1	1	2	.003	.010	.002	1	1	1	1
	6. Neurasthenia	2	2	4	.007	.020	.005	2	2	2	2
	7. Organic brain disease	2	1	3	.007	.010	.008	1	1	1	1
	8. Spasm of diaphragm	12	12	24	.041	.041	.003	6	6	6	6
	9. Tumor of brain										
75	Diseases of the eye and annexa										
76	Otitis media	2	2	4	.007	.005	.030	1	1	1	1
Total, diseases of nervous system and organs of special sense		480	257	737	1.636	2.505	1.861	259	221	138	359

TABLE 1a.—Showing deaths and death rates in the District of Columbia during the calendar year 1917, arranged with reference to race and sex, and classified with reference to causes of death—Continued.

Calendar year 1917.															
Cause of death.		Total deaths.			General death rates.			Per-centage of each cause to total.		Deaths by race and sex.				Total by sex.	
										White.		Colored.			
		White.	Col-ored.	Total.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.					
V. Diseases of digestive system—Continued.															
108	Appendicitis.....	31	16	47	0.106	0.156	0.119	13	18	9	22	25			
109	Hernia.....	11	3	14	.038	.029	.035	6	5	2	8	6			
	Ileus.....	4	4	8	.012	.039	.010	1	3	1	2	3			
110	Obstruction of bowels.....	30	11	41	.102	.107	.104	11	19	2	13	28			
	Other diseases of intestines:														
	1. Abscess, rectal.....	1	1	2	.003	.003	.003	1	1	1	1	1			
	2. Autointoxication, intestinal.....	2	2	4	.019	.019	.005	1	1	1	1	1			
	3. Fistula, fecal.....	1	1	2	.003	.010	.005	1	1	1	1	1			
	4. Fecal impaction.....	1	1	2	.004	.010	.002	1	1	1	1	1			
	5. Stenosis of rectum.....	1	1	2	.003	.010	.003	1	1	1	1	1			
111	Atrophy of liver, acute yellow.....	1	1	2	.003	.003	.002	1	1	1	1	1			
112	Hydrated tumor of liver.....	34	6	40	.116	.058	.101	26	8	4	30	10			
113	Cirrhosis of liver.....	17	2	19	.058	.020	.048	5	12	2	5	14			
114	Cholelithiasis.....	5	1	6	.017	.010	.015	4	1	1	5	1			
115	Hepatic abscess.....	9	1	10	.031	.023	.023	3	6	3	3	6			
	Cholecystitis.....	4	1	5	.014	.010	.013	1	3	1	1	4			
116	Disease of spleen.....	1	1	2	.003	.003	.003	1	1	1	1	1			
117	Peritonitis.....	3	1	4	.010	.003	.008	1	2	1	1	2			
118	Subphrenic abscess.....														
	Pancreatitis.....														
	Total, diseases of digestive system.....	344	220	564	1.173	2.144	1.425	186	158	113	299	265			
VI. Nonvenereal diseases of genito-urinary system.															
119	Nephritis, acute.....	32	45	77	.109	.439	.195	16	16	20	36	41			
120	Nephritis, chronic.....	397	242	639	1.353	2.358	1.614	233	164	130	363	276			
	Chyluria.....														
121	Other diseases of kidneys and amnxa:														
122	1. Hydronephrosis.....	1	7	8	.003	.008	.002	1	3	5	1	5			
	2. Pyelonephritis.....	12	7	19	.041	.068	.048	9	3	2	14	5			

123	Renal calculi.....	1	1	2	.004	.010	.005	.030	1	1	1	1	2	2
124	Cystitis.....	10	3	13	.034	.029	.033	.194	9	1	2	1	11	2
125	Disease of urethra.....													
	1. Perineal fistula.....					.000	.003	.015					1	
	2. Urethral stricture.....	1	1	2	.003	.010	.005	.030	1	1	1	1	2	
126	Diseases of prostate.....													
	1. Abscess.....	3	3	3	.010	.008	.008	.045	3				3	
	2. Hypertrophy.....	8	2	10	.027	.020	.025	.150	8	2	2	2	10	
127	Phlegmon serofi.....					.019	.005	.030					2	
128	Uterine hemorrhage (nonpuerperal).....													
129	Uterine fibroids.....	3	13	16	.010	.127	.040	.239		3		13	16	
130	Other diseases of uterus.....													
	1. Pelvic abscess.....	1	2	3	.003	.020	.008	.045		1		2	3	
	2. Prolapsed uterus.....	1	1	1	.004	.002	.015	.060		1		1	1	
131	Ovarian cysts.....	4		4	.014		.010	.060		4			4	
132	Other diseases of female genital organs.....													
	1. Ovarian abscess.....	1	2	3	.004	.019	.008	.045		1		2	3	
	2. Pyosalpinx.....	5	5	10	.017	.049	.025	.130		5		5	10	
	Total nonvenereal diseases of genito-urinary system.....	480	326	806	1.636	3.177	2.036	12.053	281	199	164	102	445	361
VII. The puerperal state.														
134	Accidents of pregnancy:													
	1. Abortion.....	1	2	3	.003	.020	.008	.045		1		2		3
	2. Ectopic pregnancy.....	2	2	4	.007	.019	.010	.060		2		2		4
	3. Vomiting.....	3		3	.010		.008	.045		3				3
135	Puerperal hemorrhage:													
	1. Adherent placenta.....					.019	.005	.030				2		2
	2. Placenta previa.....	1	1	2	.004	.010	.005	.030		1		1		2
	3. Postpartum hemorrhage.....	2	2	4	.007	.020	.010	.060		2		2		4
136	Other accidents of labor.....													
	1. Cesarean section.....		1	1		.010	.002	.015				1		1
	2. Labor prolonged.....	3		3	.010		.008	.045		3				3
	3. Perineum, laceration of.....	1	1	1	.003	.003	.003	.015		1				1
	4. Rupture of uterus.....	1	1	2	.007	.002	.002	.015		2				2
137	Puerperal peritonitis.....	2	2	2	.007	.005	.005	.030		2		15	16	
138	Puerperal septicemia.....	1	15	16	.004	.146	.030	.239		7		7	16	
139	Puerperal nephritis.....	2	7	14	.024	.068	.035	.200		2		7	14	
140	Puerperal embolism.....	1	2	2	.007	.008	.005	.030		2		2	2	
141	Puerperal insanity.....	1	1	1	.003		.003	.015		1			1	
	Puerperal diseases of breast.....													
	Total, the puerperal state.....	27	32	59	.062	.312	.149	.883		27		32		59
VIII. Diseases of skin and cellular tissue.														
142	Gangrene of extremities.....	8	15	23	.027	.146	.058	.343	4	4	7	8	11	12
143	Gangrene of penis.....	1		1	.003		.002	.015	1				1	
144	Carbuncle.....	2	2	2	.007		.005	.030	2				2	
	Abscess of mediastinum.....	1		1	.004		.003	.015		1				1
	Cellulitis, cervical.....		2	2		.019	.005	.030			2		2	

TABLE 1a.—*Showing deaths and death rates in the District of Columbia during the calendar year 1917, arranged with reference to race and sex, and classified with reference to causes of death—Continued.*

Calendar year 1917.

Cause of death.	Calendar year 1917.														
	Total deaths.			General death rates.				Per-centage of each cause to total mortality.	Deaths by race and sex.				Total by sex.		
				White.		Col-ored.	Total.		White.		Colored.				
							Male.		Fe-male.	Male.	Fe-male.	Male.			Fe-male.
VIII. Diseases of skin and cellular tissue—Continued.															
145	Other diseases of skin and cellular tissue.....														
	1. Eczema.....	1	1	0.002			0.010	0.015			1		1		
	2. Pemphigus.....	1	1	.010			.010	.015				1	1		
	3. Ulcer of foot.....	1	1	0.003	0.003			.015	1				1		
	Total diseases of skin and cellular tissue.....	13	19	.080	.044	.185		.478	8	5	10	9	18	14	
IX. Diseases of bones and organs of locomotion.															
146	Diseases of bones:														
	1. Mastoiditis.....	1	1	.003				.015		1				1	
	2. Osteomyelitis.....	3	1	.010	.004	.010		.060	3			1	3	1	
	3. Infected antrum.....	1	1	.004				.015		1				1	
147	Arthritis.....	3	5	.010	.010	.020		.074	3			2	3	2	
148	Amputations.....														
149	Bursitis.....	2	2	.007				.030	1	1			1	1	
	Total diseases of bones and organs of locomotion.....	10	3	.034	.034	.029		.194	7	3		3	7	6	
X. Malformations.															
150	Congenital malformations:														
	1. Cleft palate.....	1	1	.003				.015	1				1		
	2. Hydrocephalus.....	7	8	.024	.024	.010		.119	4	3	1		5	3	
	3. Hydronephrosis.....	1	1	.003	.003			.015	1				1		
	4. Hypertrophy of liver.....	1	1	.004				.015		1				1	
	5. Microcephalus.....	1	1	.003	.003			.015		1				1	
	6. Open foramen ovale.....	18	22	.061	.061	.039		.329	13	5	1	3	14	8	
	7. Pyloric stenosis.....	1	1	.004	.004			.015	1			.002	.015	1	
	8. Spina bifida.....	1	1	.003	.003			.015					1		
	Total malformations.....	31	5	.105	.105	.049		.538	21	10	2	3	23	13	

XI. Early infancy.

151	Congenital debility, icterus, etc.: 1. Atrophy, infantile..... 2. Icterus neonatorum..... 3. Inanition (under 1 year)..... 4. Marasmus (under 1 year)..... 5. Prematurity..... Other causes peculiar to early infancy: 1. Asphyxia neonatorum..... 2. Atelectasis..... 3. Birth, injury during..... 4. Cesarean section..... 5. Hemophilia neonatorum..... 6. Hemorrhage of new born..... 7. Hemorrhage, umbilical..... 8. Labor, difficult..... 9. Malposition..... 10. Melena..... 11. Sepsis, neonatorum..... Exposure.....	2 2 11 16 103	2 1 18 105	7 3 11 34 208	.007 .007 .038 .055 .351	.007 .010 .175 1.023	.005 .030	1 2 4 9 53	1 7 7 50	1 1 6 54	2 4 12 51	1 3 4 15 107	1 3 7 19 101
152	Total early infancy.....	165	141	306	.563	1.374	.773	93	72	69	72	162	144
153	XII. Senility.	92	34	126	.314	.331	.318	37	55	12	22	49	77

XIII. External causes.

155	Suicide: 1. Bichloride of mercury..... 2. Carbolic acid..... 3. Illuminating gas..... 4. Hanging..... 5. Drowning..... 6. Firearms..... 7. Cutting instruments..... 8. Jumping from high place..... 9. Crushing..... 10. Other means..... Pitman's poisoning..... Other accidental poisoning: 1. Alcohol..... 2. Bichloride of mercury..... 3. Lye..... 4. Opium..... Confagration..... Burns and scalds..... Absorption of deleterious gases (accidental): 1. Asphyxiation in bed..... 2. Carbon monoxide..... 3. Ether narcosis..... 4. Illuminating gas.....	6 4 22 5 5 18 6 1	2 1 1 1 3 1 7 1	8 5 23 6 5 21 1 1	.020 .014 .075 .017 .017 .061 .020 .003	.020 .010 .008 .010 .020 .020 .010	.020 .013 .038 .015 .075 .012 .053 .018 .002	3 18 15 15 6	3 4 2 3 3 1	2 2 1 1 3 104 .015	2 1 1 1 2 3 1	5 18 16 3 18 7	3 5 5 2 3 1
156	Total early infancy.....	165	141	306	.563	1.374	.773	93	72	69	72	162	144
157	XII. Senility.	92	34	126	.314	.331	.318	37	55	12	22	49	77
158	Total early infancy.....	165	141	306	.563	1.374	.773	93	72	69	72	162	144
159	XIII. External causes.	92	34	126	.314	.331	.318	37	55	12	22	49	77
160	Suicide: 1. Bichloride of mercury..... 2. Carbolic acid..... 3. Illuminating gas..... 4. Hanging..... 5. Drowning..... 6. Firearms..... 7. Cutting instruments..... 8. Jumping from high place..... 9. Crushing..... 10. Other means..... Pitman's poisoning..... Other accidental poisoning: 1. Alcohol..... 2. Bichloride of mercury..... 3. Lye..... 4. Opium..... Confagration..... Burns and scalds..... Absorption of deleterious gases (accidental): 1. Asphyxiation in bed..... 2. Carbon monoxide..... 3. Ether narcosis..... 4. Illuminating gas.....	6 4 22 5 5 18 6 1	2 1 1 1 3 1 7 1	8 5 23 6 5 21 1 1	.020 .014 .075 .017 .017 .061 .020 .003	.020 .010 .008 .010 .020 .020 .010	.020 .013 .038 .015 .075 .012 .053 .018 .002	3 18 15 15 6	3 4 2 3 3 1	2 2 1 1 3 104 .015	2 1 1 1 2 3 1	5 18 16 3 18 7	3 5 5 2 3 1
156	Total early infancy.....	165	141	306	.563	1.374	.773	93	72	69	72	162	144
157	XII. Senility.	92	34	126	.314	.331	.318	37	55	12	22	49	77
158	Total early infancy.....	165	141	306	.563	1.374	.773	93	72	69	72	162	144
159	XIII. External causes.	92	34	126	.314	.331	.318	37	55	12	22	49	77
160	Suicide: 1. Bichloride of mercury..... 2. Carbolic acid..... 3. Illuminating gas..... 4. Hanging..... 5. Drowning..... 6. Firearms..... 7. Cutting instruments..... 8. Jumping from high place..... 9. Crushing..... 10. Other means..... Pitman's poisoning..... Other accidental poisoning: 1. Alcohol..... 2. Bichloride of mercury..... 3. Lye..... 4. Opium..... Confagration..... Burns and scalds..... Absorption of deleterious gases (accidental): 1. Asphyxiation in bed..... 2. Carbon monoxide..... 3. Ether narcosis..... 4. Illuminating gas.....	6 4 22 5 5 18 6 1	2 1 1 1 3 1 7 1	8 5 23 6 5 21 1 1	.020 .014 .075 .017 .017 .061 .020 .003	.020 .010 .008 .010 .020 .020 .010	.020 .013 .038 .015 .075 .012 .053 .018 .002	3 18 15 15 6	3 4 2 3 3 1	2 2 1 1 3 104 .015	2 1 1 1 2 3 1	5 18 16 3 18 7	3 5 5 2 3 1
156	Total early infancy.....	165	141	306	.563	1.374	.773	93	72	69	72	162	144
157	XII. Senility.	92	34	126	.314	.331	.318	37	55	12	22	49	77
158	Total early infancy.....	165	141	306	.563	1.374	.773	93	72	69	72	162	144
159	XIII. External causes.	92	34	126	.314	.331	.318	37	55	12	22	49	77
160	Suicide: 1. Bichloride of mercury..... 2. Carbolic acid..... 3. Illuminating gas..... 4. Hanging..... 5. Drowning..... 6. Firearms..... 7. Cutting instruments..... 8. Jumping from high place..... 9. Crushing..... 10. Other means..... Pitman's poisoning..... Other accidental poisoning: 1. Alcohol..... 2. Bichloride of mercury..... 3. Lye..... 4. Opium..... Confagration..... Burns and scalds..... Absorption of deleterious gases (accidental): 1. Asphyxiation in bed..... 2. Carbon monoxide..... 3. Ether narcosis..... 4. Illuminating gas.....	6 4 22 5 5 18 6 1	2 1 1 1 3 1 7 1	8 5 23 6 5 21 1 1	.020 .014 .075 .017 .017 .061 .020 .003	.020 .010 .008 .010 .020 .020 .010	.020 .013 .038 .015 .075 .012 .053 .018 .002	3 18 15 15 6	3 4 2 3 3 1	2 2 1 1 3 104 .015	2 1 1 1 2 3 1	5 18 16 3 18 7	3 5 5 2 3 1

TABLE 1a.—Showing deaths and death rates in the District of Columbia during the calendar year 1917, arranged with reference to race and sex, and classified with reference to causes of death—Continued.

Cause of death		Calendar year 1917.											
		Total deaths.			General death rates.			Per-centage of each cause to total mor-tality.		Deaths by race and sex.			
		White.		Total.	White.	Col-ored.	Total.	White.		Colored.		Total by sex.	
		Col-ored.	White.	Total.	White.	Col-ored.	Total.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.
XIII. External causes—Continued.													
161 Drowning (accidental).....	13	13	26	0.044	0.127	0.066	0.389	13	.....	12	1	25	1
162 Firearms.....	4	3	7	.014	.029	.017	.105	4	.....	3	.....	7	.....
163 Incised wound, femoral artery (accidental).....	1	.....	1	.004	.....	.002	.015	1	.....	.....	.....	1	.....
164 Diving in shallow water, fracture of neck.	1	.....	1	.003	.....	.003	.015	1	.....	.....	.....	1	.....
Falls.....	42	5	47	.144	.049	.119	.703	17	25	5	.....	22	25
165 Injured in mine.....	.....	.....	.....	.003	.029	.010	.060	.....	.....	.....	.....	.....	.....
166 Elevator accident.....	1	3	4	.004	.....	.002	.015	1	.....	2	1	3	1
168 Injured by machinery.....	1	.....	1	.003	.....	.003	.015	1	.....	.....	.....	1	.....
Crushed hand.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
167 Traumatism by vehicles, railways, etc.: 1. Automobile.....	37	16	53	.126	.156	.134	.792	27	10	12	4	39	14
2. Bicycle.....	1	1	1	.009	.009	.002	.015	.....	.....	1	.....	1	.....
3. Caving in of bank.....	.....	.....	.....	.010	.010	.003	.015	.....	.....	1	.....	1	.....
4. Railroad, steam.....	11	2	13	.038	.019	.033	.194	10	1	2	.....	12	1
5. Railroad, street.....	12	8	20	.041	.078	.051	.299	6	6	6	2	12	8
6. Struck by moving crane.....	1	1	2	.003	.010	.005	.030	.....	.....	1	.....	2	.....
7. Thrown from fire truck.....	1	.....	1	.004	.....	.002	.015	1	1	.....	.....	1	.....
8. Vehicles injured by.....	3	4	7	.010	.039	.018	.104	3	.....	3	1	6	1
Kicked by horse.....	2	.....	2	.007	.....	.002	.030	2	.....	.....	.....	2	.....
Thrown from horse.....	1	.....	1	.003	.....	.002	.015	1	.....	.....	.....	1	.....
168 Starvation.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
169 Frostbite.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
170 Sunstroke.....	15	4	19	.051	.039	.003	.015	.....	.....	1	.....	1	.....
171 Lightning, struck by.....	.....	.....	.....	.004	.....	.002	.015	.....	.....	3	1	15	4
172 Electric shock.....	1	.....	1	.003	.....	.003	.015	1	.....	.....	.....	1	.....
173 Homicide, firearms.....	6	10	16	.020	.097	.040	.239	4	2	8	12	4
174 Homicide, cutting instruments.....	3	3	.020	.029	.008	.045	2	1	2	1

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[illegible]

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[illegible]

181	Electric shock.....	1	2	1	1	1	2	3	3	3	2	3	1	2	1	1	1	2	9	7	8	6	16	14	30			
182	Homicide, firearms.....																											
183	Homicide, cutting instruments.....																											
184	Homicide, other forms: 1. Abortion, criminal..... 2. Assault..... 3. Strangulation..... 4. Struck by automobile..... 5. Struck on head..... Fracture of skull, in friction scullie..... Fracture of spine, plunging horse..... Other external violence: 1. Abscess of liver, traumatic, accidental..... 2. Legal execution, hanging..... 3. Punctured orbit, accident..... 4. Rupture of bladder, accident..... 5. Rupture of liver, accident..... 6. Strangulation, accident.....	1																										
185	Total, external causes.....	1	2	1	1	1	2	3	3	3	2	3	1	2	1	1	1	2	9	7	8	6	16	14	30			
186	XIV. Ill-defined diseases.																											
187	Ill-defined organic diseases.....																											
188	Sudden death.....																											
189	Ill-defined or unspecified: 1. Ischemia..... 2. Marasmus (1 to 69 years)..... 3. Post operative shock..... 4. Unknown cause.....	1																										
	Total, ill-defined diseases.....	1	1				1																					
	SUMMARY.																											
	I. General diseases.....	16	18	16	18	6	7	17	9	7	4	2	2	1	5	3	4	4	3	2	35	39	45	34	74	79	153	
	II. Diseases of nervous system and organs of special sense.....	6	6	7	2	3	1	3																				
	III. Diseases of circulatory system.....	5	1				1	1																				
	IV. Diseases of respiratory system.....	12	18	28	30	7	8	13	8	5	3	5	2	2	3													
	V. Diseases of digestive system.....	58	36	56	46	13	11	17	8	1	3	3	1	4	1	1	1	1										
	VI. Nonvenereal diseases of genito-urinary system.....																											
	VII. The puerperal state.....	1		2	4																							
	VIII. Diseases of skin and cellular tissue.....																											
	IX. Diseases of bones and organs of locomotion.....																											
	X. Malformations.....	18	8	1	3	2																						
	XI. Early infancy.....	93	72	69																								
	XII. Senility.....																											
	XIII. External causes.....	1	2	1	1	1	1	2	3	3	2	3	1	2	1	2	1	1	2	9	7	8	6	16	14	30		
	XIV. Ill-defined diseases.....	1	1																									
	Total, all causes.....	211	162	181	176	34	29	53	25	16	20	15	11	14	6	12	6	6	11	6	5	281	228	267	223	509	490	999

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VIII. Diseases of skin and cellular tissue.

142	Gangrene of extremities.....	1	2	1	1	1	2	1	2	1
	Gangrene of penis.....	1								
143	Carbuncle.....	1	2	1	1	1	4	2	1	3
144	Abscess of mediastinum.....									
	Abscess of cervix.....									
145	Cellulitis, cervical.....									
	Other diseases of skin and cellular tissue:									
	1. Eczema.....									
	2. Pemphigus.....									
	3. Ulcer of foot.....	1								
	Total diseases of skin and cellular tissue.....	1	1	1	2	2	1	1	2	3

IX. Diseases of bones and organs of locomotion.

[illegible]

X. Malformations.

[illegible]

XI. Early infancy.

Congenital debility, Icterus, etc.	
1. Atrophy, infantile.....	.....
2. Icterus neonatorum.....	.....
3. Inanition (under 1 year).....	.....
4. Marasmus (under 1 year).....	.....
5. Prematurity.....	.....
6. Prematurity.....	.....

VIII. Diseases of skin and cellular tissue.

142	Gangrene of extremities.....	1	2	1	1	1	2	1	2	1
	Gangrene of penis.....	1								
143	Carbuncle.....	1	2	1	1	1	4	2	1	3
144	Abscess of mediastinum.....									
	Abscess of cervix.....									
145	Cellulitis, cervical.....									
	Other diseases of skin and cellular tissue:									
	1. Eczema.....									
	2. Pemphigus.....									
	3. Ulcer of foot.....	1								
	Total diseases of skin and cellular tissue.....	1	1	1	2	2	1	1	2	3

IX. Diseases of bones and organs of locomotion.

[illegible]

X. Malformations.

[illegible]

XI. Early infancy.

Congenital debility, icterus, etc.	
1. Atrophy, infantile.....	.....
2. Icterus neonatorum.....	.....
3. Inanition (under 1 year).....
4. Marasmus (under 1 year).....
5. Prematurity.....
6. Prematurity.....

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III. Diseases of circulatory system.....	1	2	4	6	4	2	4	10	10	10	19	22	14	37	30	42	19	35	43	65	35	52	50	101	68	36	42	118	107	29	32	48	35	4	9	3	7	2	4		
IV. Diseases of respiratory system.....	6	3	1	6	7	5	5	7	25	11	16	9	11	3	37	11	33	10	43	14	26	14	22	25	36	25	23	13	42	49	8	11	18	22	2	4	1	4	1	2	
V. Diseases of digestive system.....	3	2	...	5	2	2	2	10	9	5	5	12	14	10	15	14	16	6	9	19	16	6	12	21	13	2	5	19	25	4	3	6	8	1	...	1	1	...	...
VI. Nonvenereal diseases of genito-urinary system..	1	1	2	1	2	1	3	9	10	8	11	8	15	23	31	24	24	27	31	46	38	29	36	60	43	35	29	99	45	29	11	29	20	5	6	2	1	2	...		
VII. The puerperal state	...	...	...	2	...	...	4	...	12	...	...	20	11	...	8	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
VIII. Diseases of skin and cellular tissue.....	...	...	...	...	...	...	...	...	...	...	1	...	...	1	1	1	...	1	2	2	1	1	1	2	...	2	4	2	2	...	...	1	2	3	...	...	1	...	...
IX. Diseases of bones and organs of locomotion.....	1	2	3	2	
X. Malformations.....	1	1	1	1	
XI. Early infancy.....	
XII. Senility.....	
XIII. External causes.....	6	3	3	5	18	4	10	5	39	11	21	5	34	10	12	6	35	9	14	2	28	8	8	2	18	13	8	2	21	11	3	1	4	14	...	1	...	4	...		
XIV. Ill-defined diseases.....
Total, all causes.....	32	31	18	22	58	47	48	70	180	107	127	150	185	125	223	175	254	163	207	168	301	224	165	198	345	304	146	157	435	373	90	87	166	182	22	34	18	31	8	12	

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SUMMARY.

SUMMARY.																																		
I. General diseases.....																																		
238	192	147	125	198	167	148	140	59	126	28	64	2	2	2	2	2	171	100	131	126	244	273	184	200	80	48	1	1	1	1	4	9	3	
II. Diseases of nervous system and organs of special sense.....																																		
115	64	55	44	90	45	40	17	48	110	21	75	6	2	3	2	4	44	51	38	20	158	131	75	109	48	36	1	1	1	1	9	3	6	17
III. Diseases of circulatory system.....																																		
224	85	110	121	86	65	42	78	163	78	172	35	3	1	14	1	58	60	85	70	124	95	17	174	45	25	1	1	13	7	19	17	1		
IV. Diseases of respiratory system.....																																		
54	41	33	26	69	91	73	32	76	22	33	3	3	1	5	1	58	60	85	70	124	95	17	174	45	25	1	1	4	1	1	1	1	1	1
V. Diseases of digestive system.....																																		
58	43	21	23	112	78	88	67	16	36	4	16	1	1	1	1	84	65	85	64	74	75	27	42	25	17	1	3	1	1	1	1	1	1	
VI. Nonvenereal diseases of genito-urinary system.....																																		
143	77	89	60	64	44	36	35	74	78	38	64	1	1	3	45	40	30	40	184	122	125	118	48	36	4	1	4	1	9	4	1	9	4	
VII. The venereal state.....																																		
23	23	22	4	9	9	9	9	9	9	9	9	9	9	1	11	11	11	11	11	8	16	22	1	1	1	1	1	1	1	1	1	1	1	2
VIII. Diseases of skin and cellular tissue.....																																		
5	1	6	3	1	3	1	2	3	1	5	1	5	1	1	2	1	2	2	2	6	3	8	7	1	1	1	1	1	1	1	1	1	1	1
IX. Diseases of bones and organs of locomotion.....																																		
2	2	2	4	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	6	2	3	1	1	1	1	1	1	1	1	1	1	1
X. Malformations.....																																		
...	21	10	2	3	20	9	2	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1
XI. Early Infancy.....																																		
...	93	72	69	72	88	69	68	70	5	3	1	1	1	1	1	1	1	1	1	1	1	1
XII. Senility.....																																		
16	8	7	2	6	5	1	15	42	5	19	5	7	5	19	37	12	16	12	10
XIII. External causes.....																																		
71	26	28	8	105	28	39	18	13	31	7	7	23	9	13	2	54	21	27	14	94	44	42	15	33	16	31	13	18	6	1	1	1
XIV. Ill-defined diseases.....																																		
...	3	1	1	1	2	...	1	1
Total, all causes.....																																		
969	563	554	404	878	582	559	477	363	655	170	395	45	15	38	20	641	554	510	465	1,169	983	741	784	380	246	1	2	65	32	69	45	45	45	

TABLE 2.—Showing the daily mortality in the District of Columbia during the calendar meteorological

JANUARY.

Day of month.	Color.	Communicable diseases.					Diarrheal diseases (dysentery excluded).	Rheumatism, acute.	Violence.	All other diseases.	Deaths by color.	Total deaths.	Deaths under 1 year.												
		Typhoid fever.	Measles.	Scarlet fever.	Whooping cough.	Diphtheria.								Pulmonary tuberculosis.	Meningitis epidemic.	Pellagra.	Under 2 years.	2 years and over.	Bronchitis (all forms).	Pneumonia (all forms).	Pulmonary congestion.	Sunstrokes.	Accidents and negligence.	Suicides.	Homicides, criminal.
1.....	W.	1				1					12	14	21	1											
2.....	C.										4	7	11	1											
3.....	W.							1			0	0	1	1											
4.....	C.					1					0	0	11	19											
5.....	W.					2				1	11	13	21	2											
6.....	C.					2					6	8	2	2											
7.....	W.					1		1	2	5	14	25	34	2											
8.....	C.									3	5	9	11	1											
9.....	W.					1			1	3	3	3	11	1											
10.....	C.	1				2		1	2	7	8	13	21	2											
11.....	W.					1			1	1	8	8	21	1											
12.....	C.					1			4	1	13	13	20	2											
13.....	W.					1			1	2	5	7	23	1											
14.....	C.					1			1	1	15	16	26	1											
15.....	W.					1			1	1	18	18	1	1											
16.....	C.					1			2	1	12	14	26	1											
17.....	W.					1			3	1	8	12	2	2											
18.....	C.								1	1	6	8	12	1											
19.....	W.					2			1	1	3	4	20	1											
20.....	C.					2			1	1	10	16	21	1											
21.....	W.				1	2		1	1	4	2	4	21	1											
22.....	C.								1	1	1	6	10	1											
23.....	W.					1			2	2	1	5	9	1											
24.....	C.					1			1	1	8	10	21	1											
25.....	W.					1			1	1	7	9	11	1											
26.....	C.					1			3	2	11	17	29	3											
27.....	W.					3			1	1	11	15	23	1											
28.....	C.								2	2	6	8	18	2											
29.....	W.								1	1	5	6	16	2											
30.....	C.					1			2	2	17	20	31	1											
31.....	W.				1	3			4	1	10	15	27	1											
1.....	C.								1	1	7	12	27	1											
2.....	W.					1			3	2	15	17	24	1											
3.....	C.								1	1	4	7	1	1											
4.....	W.					2			3	3	13	16	21	2											
5.....	C.					2			4	4	1	5	2	2											
6.....	W.					1			5	4	11	18	36	4											
7.....	C.					1			4	1	10	18	4	2											
8.....	W.					1			1	1	7	13	24	3											
9.....	C.								3	3	9	16	19	3											
10.....	W.					2			1	1	3	6	23	1											
11.....	C.					1			1	1	10	13	23	4											
12.....	W.								5	3	7	10	22	1											
13.....	C.								3	3	6	12	32	1											
14.....	W.					2			1	1	8	12	1	3											
15.....	C.					1			2	2	11	16	20	1											
16.....	W.								1	1	11	16	1	1											
17.....	C.					1			2	2	1	4	30	2											
18.....	W.	1				2		1	2	1	11	19	30	2											
19.....	C.								1	1	7	1	1	1											
Total..	W.	3				2		2	3	7	61	48	321	36											
	C.					17		3	2	4	4	4	16	5	1										
						31		4	2	48	4	4	4	1	1										

151

JANUARY.

[illegible]

TABLE 2.—Showing the daily mortality in the District of Columbia during the calendar meteorological

FEBRUARY.

Day of month.	Color.	Communicable diseases.					Diarrheal diseases (dysentery excluded).	Violence.							All other diseases.	Deaths by color.	Total deaths.	Deaths under 1 year.							
		Typhoid fever.	Measles.	Scarlet fever.	Whooping cough.	Diphtheria.		Pulmonary tuberculosis.	Meningitis epidemic.	Pellagra.	Rheumatism, acute.	Diarrheal diseases (dysentery excluded).		Pneumonia (all forms).					Pulmonary congestion.	Sunstrokes.	Accidents and negligence.		Suicides.	Homicides, criminal.	
												Under 2 years.	2 years and over.								Accidents and negligence.	Suicides.			
1.	W. C.					1							3								9				
2.	W. C.					1							3								2				
3.	W. C.					1							1								5				
4.	W. C.				1	1							1								12				
5.	W. C.					1			1				3								4				
6.	W. C.					1							1								3				
7.	W. C.					1							4								4				
8.	W. C.					2							1								11				
9.	W. C.					3							3								4				
10.	W. C.	1				1							1								14				
11.	W. C.			1		1							1								8				
12.	W. C.					1							3								4				
13.	W. C.					1							1								4				
14.	W. C.					2							4								11				
15.	W. C.					2							1								4				
16.	W. C.					2							2								10				
17.	W. C.					2							1								4				
18.	W. C.					2							1								10				
19.	W. C.					4							1								3				
20.	W. C.					1							1								11				
21.	W. C.					1							2								4				
22.	W. C.					1							1								4				
23.	W. C.					1							2								11				
24.	W. C.					1							1								4				
25.	W. C.					1							1								4				
26.	W. C.					1							1								4				
27.	W. C.					1							3								15				
28.	W. C.					1							2								4				
Total.	W. C.	1	0	1	1	3	0	2	2	2	6	48	1	14	6	2	255	367	594	27	137	227	594	27	

155

MARCH.

[illegible]

TABLE 2.—Showing the daily mortality in the District of Columbia during the calendar meteorological

APRIL.

Day of month.	Color.	Communicable diseases.						Diarrheal diseases (dysentery excluded).	Pneumonia (all forms).	Pneumonia (all forms).	Sunstrokes.	Violence.			All other diseases.	Deaths by color.	Total deaths.	Deaths under 1 year.
		Typhoid fever.	Measles.	Scarlet fever.	Whooping cough.	Diphtheria.	Pulmonary tuberculosis.	Meningitis epidemic.	Fellagra.	Rheumatism, acute.	Under 2 years.	2 years and over.	Accidents and negligence.	Suicides.	Homicides, criminal.			
1	W. C.						1						1			6		
2	W. C.						1									6		
3	W. C.						2									10		
4	W. C.															5		
5	W. C.						1					1				11		1
6	W. C.															2		
7	W. C.	1														6		
8	W. C.															4		1
9	W. C.															6		1
10	W. C.															7		
11	W. C.															0		
12	W. C.															11		2
13	W. C.															5		
14	W. C.															5		1
15	W. C.															6		2
16	W. C.															5		1
17	W. C.															8		2
18	W. C.															6		1
19	W. C.															12		1
20	W. C.															6		
21	W. C.															14		2
22	W. C.															6		1
23	W. C.															7		
24	W. C.															5		1
25	W. C.															2		
26	W. C.															2		1
27	W. C.															8		3
28	W. C.															5		1
29	W. C.															12		
30	W. C.															2		1
Total.	W. C.	1 3	0 1	...	1 0	2 1	29 34	2 1	...	1 0	1 6	4 1	2 2	21 24	...	16 6	3 2	1 2

157

APRIL.

[illegible]

159

MAY.

[illegible]

TABLE 2.—Showing the daily mortality in the District of Columbia during the calendar meteorological

JUNE.

Day of month.	Color.	Communicable diseases.						Diarrheal diseases (dysentery excluded).	Under 2 years.	2 years and over.	Bronchitis (all forms).	Pneumonia (all forms).	Pulmonary congestion.	Sunstrokes.	Violence.			All other diseases.	Deaths by color.	Total deaths.	Deaths under 1 year.
		Typhoid fever.	Measles.	Scarlet fever.	Whooping cough.	Diphtheria.	Pulmonary tuberculosis.	Meningitis epidemic.	Pellagra.	Rheumatism, acute.					Accidents and negligence.	Suicides.	Homicides, criminal.				
1	W.						1	1				1				1		7			
2	C.						1											6			
3	W.						1					1						4			1
4	C.						1				2	1			1			4			1
5	W.						2				1	1			1			14			
6	C.						2	1			1	1			1			3			3
7	W.						2	1				2			2			6			1
8	C.						2			1		1					1	6			2
9	W.	1					2				1	2	1				1	4			2
10	C.							1										6			1
11	W.														2			9			2
12	C.						2											2			1
13	W.														1			8			1
14	C.	1					1					1			2			4			1
15	W.						1			1		1			1			2			
16	C.						1				1	1						4			2
17	W.						1					1			1	1		8			2
18	C.						1								1			9			1
19	W.										1				1			4			
20	C.						2				2				1			10			2
21	W.											1						2			
22	C.									1	1	1			2			6			2
23	W.					1									2			5			1
24	C.											1						6			
25	W.					1				1		2			1	1	1	11			3
26	C.					2	2					2						5			
27	W.			1		1						1						2			1
28	C.					1									2	1		7			2
29	W.						1			1					1		1	3			
30	C.											1				1	1	5			1
	W.	1					1											2			2
	C.									1								5			1
Total	W.	2		1		1	15	3	0	1	6	3	17	1	20	5	2	217		475	26
	C.	1		0		0	19	1	1	3	2	10	0	0	5	0	4	134	294	181	18

year 1917, arranged with reference to race, cause of death, and corresponding daily conditions—Continued.

JUNE.

Mean barometer (actual).	Mean relative humidity.	Temperature (exposed bulb).				Mean wet bulb.	Mean dew point.	Direction of wind.		Total movement of wind.	Rainfall (inches).	Day of month.
		Maximum.	Minimum.	Range.	Mean.			8 a. m.	8 p. m.			
30.01	79	83	61	22	72	64.8	62.5	S.....	S.....	136	0.02	1
29.96	80	85	64	21	74	67.0	64.5	SW...	SE....	118	.04	2
30.05	65	84	63	21	74	61.9	57.0	S.....	NW...	218	.11	3
30.22	52	79	55	24	67	56.5	48.5	N.....	S.....	98	0	4
30.00	79	80	60	20	70	65.6	63.5	S.....	SW...	154	0	5
29.96	80	82	63	19	72	65.2	62.5	NE....	NE....	118	1.50	6
29.89	86	81	65	16	73	67.4	65.0	NW...	S.....	89	.09	7
29.90	58	83	63	20	73	63.3	57.5	S.....	NE....	137	.02	8
29.88	70	83	62	21	72	65.4	61.5	SW...	SE....	110	.90	9
29.82	82	74	66	8	70	65.8	64.0	S.....	S.....	176	.10	10
29.92	88	73	66	7	70	67.0	66.0	SE....	NE....	91	.03	11
30.20	86	84	64	20	74	63.1	66.5	N.....	SE....	96	0	12
30.18	85	87	67	20	77	70.2	69.0	SE....	S.....	125	0	13
29.88	82	87	65	22	76	68.0	66.0	SW...	S.....	138	2.69	14
29.90	79	75	55	20	65	57.1	54.0	N.....	N.....	145	.04	15
30.16	66	68	50	18	59	52.6	47.5	NW...	NW...	110	0	16
30.26	64	74	52	22	63	56.0	50.5	NW...	SW...	193	0	17
30.17	60	84	52	32	68	59.6	53.5	SW...	SW...	66	0	18
30.05	59	87	60	27	74	62.8	57.5	SW...	S.....	107	0	19
29.97	72	85	65	20	75	66.1	63.0	S.....	S.....	109	T.	20
30.03	68	85	62	23	74	64.6	60.5	NW...	N.....	76	0	21
30.04	64	88	62	26	75	66.6	61.5	W.....	SW...	83	0	22
29.98	64	87	66	21	76	69.0	64.5	W.....	S.....	94	.01	23
29.90	59	91	69	22	80	69.2	63.5	SW...	NW...	161	0	24
30.16	58	80	64	16	72	62.0	56.0	NW...	NE....	135	0	25
30.16	76	88	62	26	75	70.6	68.0	SE....	SW...	122	0	26
30.04	76	95	68	27	82	69.5	67.0	S.....	SW...	110	.65	27
30.00	75	87	69	18	78	70.6	67.5	NW...	SE....	107	0	28
29.87	80	84	67	17	76	70.4	68.0	SW...	NW...	149	.05	29
30.08	62	86	59	27	72	64.7	59.5	SW...	SW...	103	0	30

TABLE 2.—Showing the daily mortality in the District of Columbia during the calendar meteorological

JULY.

Day of month.	Color.	Communicable diseases.						Diarrheal diseases (dysentery excluded).	Violence.	All other diseases.	Deaths by color.	Total deaths.	Deaths under 1 year.
		Typhoid fever.	Measles.	Scarlet fever.	Whooping cough.	Diphtheria.	Pulmonary tuberculosis.						
1	W. C.						1			7	9	12	
2	W. C.						2			3	3	17	
3	W. C.			1			1			9	6	11	
4	W. C.									3	7	11	
5	W. C.						2			3	4	16	
6	W. C.						1			3	9	16	
7	W. C.						1			3	7	13	
8	W. C.						1			5	6	8	
9	W. C.						3			2	3	20	
10	W. C.						1			0	5	16	
11	W. C.						1			7	9	21	
12	W. C.						2			11	11	16	
13	W. C.	1		1			1			4	5	13	
14	W. C.				1					6	7	15	
15	W. C.						1			3	6	9	
16	W. C.						1			6	9	15	
17	W. C.						2			3	4	9	
18	W. C.	1					1			3	5	3	
19	W. C.						1			5	11	21	
20	W. C.						1			8	10	16	
21	W. C.						1			5	8	13	
22	W. C.						1			6	7	11	
23	W. C.						1			3	4	13	
24	W. C.						1			2	7	16	
25	W. C.						3			7	11	20	
26	W. C.						1			4	6	9	
27	W. C.						1			3	4	8	
28	W. C.						1			2	3	5	
29	W. C.						1			1	2	3	
30	W. C.						1			1	1	2	
31	W. C.						1			1	1	2	
Total	W. C.	0	0	1	1	1	17	16	4	191	260	477	31
	C.	2	3	0	0	0	35	27	3	128	217	31	38

163

JULY,

[illegible]

TABLE 2.—Showing the daily mortality in the District of Columbia during the calendar meteorological
AUGUST.

Day of month.	Color.	Communicable diseases.							Rheumatism, acute.	Diarrheal diseases (dysentery excluded).		Pneumonia (all forms).	Pulmonary congestion.	Sunstrokes.	Violence.			All other diseases.	Deaths by color.	Total deaths.	Deaths under 1 year.	
		Typhoid fever.	Measles.	Scarlet fever.	Whooping cough.	Diphtheria.	Pulmonary tuberculosis.	Meningitis epidemic.		Pellagra.	Under 2 years.				2 years and over.	Accidents and negligence.	Suicides.					Homicides, criminal.
1.....	W. C.									2		1		5	1		9			2		
2.....	W. C.								1	1			1	7			8			1		
3.....	W. C.	1				1				4	1			5			10			5		
4.....	W. C.					1				1				2	1		6			1		
5.....	W. C.					2								1			8			2		
6.....	W. C.	1				1				1			1	3			9			2		
7.....	W. C.									1				2	1		0			1		
8.....	W. C.					1				1				1	2		6			1		
9.....	W. C.	2				1				1			1		1		1			2		
10.....	W. C.	1								1							4			2		
11.....	W. C.					1				1							7			4		
12.....	W. C.					2				1							6			2		
13.....	W. C.		1			2			1	1							4			2		
14.....	W. C.			1		2			2	2		2					4			2		
15.....	W. C.	1				2			2	1							3			2		
16.....	W. C.	1				2			2	1		1					6			2		
17.....	W. C.	1				1			1	1		1					7			1		
18.....	W. C.								2	1							8			2		
19.....	W. C.					1			3	2					2		4			2		
20.....	W. C.								3	1							6			3		
21.....	W. C.					1					1						7			2		
22.....	W. C.	1				2			4	2					1		8			1		
23.....	W. C.	1				1		1	2	1							4			2		
24.....	W. C.					2			1								3			1		
25.....	W. C.				1	1									1		5			2		
26.....	W. C.							1			3						6					
27.....	W. C.								3	1			1				4			3		
28.....	W. C.					2			1		2				3	1	3			3		
29.....	W. C.					1			1	1		2			2		7			2		
30.....	W. C.								1	1							4			1		
31.....	W. C.					3					1				1		4			1		
Total.....	W. C.	64	10	10	10	26	20	0	1	33	12	0	5	14	19	7	179	307	516	524		

165

AUGUST

[illegible]

167

SEPTEMBER.

[illegible]

TABLE 2.—Showing the daily mortality in the District of Columbia during the calendar meteorological

OCTOBER.

Day of month.	Color.	Communicable diseases.								Rheumatism, acute.	Diarrheal diseases (dysentery excluded).		Pneumonia (all forms).	Pulmonary congestion.	Sunstrokes.	Violence.			All other diseases.	Deaths by color.	Total deaths.	Deaths under 1 year.
		Typhoid fever.	Measles.	Scarlet fever.	Whooping cough.	Diphtheria.	Pulmonary tuberculosis.	Meningitis epidemic.	Pellagra.		Under 2 years.	2 years and over.				Accidents and negligence.	Suicides.	Homicides, criminal.				
1.....	W. C.									1								5			1	
2.....	W. C.					1	2			2		1			1			4			4	
3.....	W. C.						2			1		2						4			2	
4.....	W. C.	1					2					1			1			8			3	
5.....	W. C.						2			1		1			1			4			1	
6.....	W. C.						2			2		1			1			13			1	
7.....	W. C.						1			1		1			1			4			1	
8.....	W. C.	1					2					2			1	1		3			3	
9.....	W. C.						3								1	1		1			1	
10.....	W. C.		1				1			2					1	1		4			2	
11.....	W. C.										1	1						5			1	
12.....	W. C.											1			1		1	3				
13.....	W. C.	1					1		1			4			1			4			3	
14.....	W. C.						1					1						8			2	
15.....	W. C.	1					1				1	1					1	4			1	
16.....	W. C.								1			1			1			4				
17.....	W. C.						1					1						4				
18.....	W. C.				1		1					1						5			1	
19.....	W. C.						1		1			1			1	1		7			1	
20.....	W. C.						2			1		1			2			1			1	
21.....	W. C.					1	1					1						7				
22.....	W. C.	1				1	3					3						11			2	
23.....	W. C.						1					1	1					3			1	
24.....	W. C.	1										1						7			3	
25.....	W. C.					1	2								2	1		4			3	
26.....	W. C.						2			1	1	1			2			2				
27.....	W. C.						1					1			1			3			1	
28.....	W. C.						3				1		2		1			4			1	
29.....	W. C.						2								1			11			2	
30.....	W. C.						1				1	1			1			8			1	
31.....	W. C.											1			1			3				
31.....	W. C.	1					1			1		2			2			5			2	
31.....	W. C.	1					1					1						3			1	
Total.....	W. C.	26	10			32	25		10	1	4	25	10		23	5	1	216	317	513	31	

TABLE 2.—Showing the daily mortality in the District of Columbia during the calendar meteorological
NOVEMBER.

Day of month.	Color.	Communicable diseases.							Diarrheal diseases (dysentery excluded).	Violence.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
		Typhoid fever.	Measles.	Scarlet fever.	Whooping cough.	Diphtheria.	Pulmonary tuberculosis.	Meningitis epidemic.		Pellagra.	Rheumatism, acute.	Under 2 years.		Bronchitis (all forms).	Pneumonia (all forms).	Pulmonary congestion.	Sunstrokes.	Accidents and negligence.			Suicides.	Homicides, criminal.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
1.	W.	1					1							1					9																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			

171

NOVEMBER.

[illegible]

TABLE 2.—Showing the daily mortality in the District of Columbia during the calendar meteorological
DECEMBER.

Day of month.	Color.	Communicable diseases.							Diar-rheal diseases (dysentery excluded).	Under 2 years.	2 years and over.	Bronchitis (all forms).	Pneumonia (all forms).	Pulmonary congestion.	Sunstrokes.	Violence.			All other diseases.	Deaths by color.	Total deaths.	Deaths under 1 year.
		Typhoid fever.	Measles.	Scarlet fever.	Whooping cough.	Diphtheria.	Pulmonary tuberculosis.	Meningitis epidemic.								Accidents and negligence.	Suicides.	Homicides, criminal.				
1.....	W. C.	1														2			9			2
2.....	W. C.									1		1	1						4			2
3.....	W. C.	8								1		1	1			1			6			1
4.....	W. C.											1	1						9			1
5.....	W. C.											1	3						2			1
6.....	W. C.											1	2			2			14			1
7.....	W. C.											2	2						2			1
8.....	W. C.											1	1						11			1
9.....	W. C.											2	2			2			3			2
10.....	W. C.											1	4					1	11			2
11.....	W. C.	1										2	2						1			1
12.....	W. C.										1	1	1			1			3			2
13.....	W. C.											1	1						5			1
14.....	W. C.									1		1	1			2		1	3			2
15.....	W. C.											1	2			1			3			1
16.....	W. C.											1	3						3			2
17.....	W. C.											1	1			1			5			2
18.....	W. C.											1	2			1		1	8			1
19.....	W. C.											1	3						5			2
20.....	W. C.										1	1	1			1			12			1
21.....	W. C.	1										1	1			2			4			1
22.....	W. C.									1		1	2						6			1
23.....	W. C.											1	1			2			4			3
24.....	W. C.											2	2			1			8			1
25.....	W. C.											1	4			1			3			2
26.....	W. C.											1	3			3			7			2
27.....	W. C.											1	1			1			10			2
28.....	W. C.	2								1		2	2						4			2
29.....	W. C.	1										1	1			1			6			1
30.....	W. C.										1	2	2						6			2
31.....	W. C.											1	4						5			2
Total.....	W. C.	9	6				22	3		2	0	5	12	1		27	2		26	356	620	31
	C.	2	0			1	26	1		4	3	6	38	0		17	0	1	135	234		34

year 1917, arranged with reference to race, cause of death, and corresponding daily conditions—Continued.

DECEMBER.

Mean barometer (actual).	Mean relative humidity.	Temperature (exposed bulb).				Mean wet bulb.	Mean dew point.	Direction of wind.		Total movement of wind.	Rainfall (inches).	Day of month.
		Maximum.	Minimum.	Range.	Mean.			8 a. m.	8 p. m.			
		48	36	.....	42						0	1
		44	32	.....	38						0	2
		42	30	.....	36						T.	3
		41	36	.....	38						0	4
		45	28	.....	36						0	5
		42	28	.....	35						0	6
		35	31	.....	33						T.	7
		45	28	.....	36						.73	8
		34	16	.....	25						0	9
		23	11	.....	17						T.	10
		21	12	.....	16						0	11
		25	18	.....	22						.07	12
		34	22	.....	28						.44	13
		28	18	.....	23						T.	14
		24	10	.....	17						0	15
		24	10	.....	17						T.	16
		30	21	.....	26						.01	17
		31	21	.....	26						T.	18
		40	31	.....	36						0	19
		42	32	.....	37						0	20
		50	29	.....	40						0	21
		44	23	.....	34						0	22
		40	16	.....	28						0	23
		48	35	.....	42						.02	24
		45	30	.....	38						.15	25
		32	22	.....	27						0	26
		30	18	.....	24						0	27
		41	17	.....	29						T.	28
		17	2	.....	10						.05	29
		9	-3	.....	3						0	30
		12	2	.....	7						0	31
											

TABLE 3.—Deaths and average age of decedents in the District of Columbia, arranged according to age, sex, and race, with percentages to total corresponding mortality, from 1901 to 1917, inclusive.

WHITE MALES.

Year.	All ages.			5 years and over.			
	Deaths.	Average age.		Deaths.	Average age.		Percentage to all deaths.
		Yr.	mo. d.		Yr.	mo. d.	
1901-1905 ¹	1,875	41	8 7	1,487	52	3 24	79.31
1906-1910 ¹	2,021	43	11 17	1,633	54	3 1	80.80
1911-1915 ¹	2,229	47	7 8	1,725	55	10 13	85.01
1911.....	2,089	46	0 28	1,739	55	2 23	83.24
1912.....	1,976	46	5 3	1,658	55	2 19	83.91
1913.....	1,987	47	4 26	1,678	56	0 2	84.45
1914.....	1,955	49	9 28	1,712	56	9 23	87.57
1915.....	2,137	48	3 16	1,837	56	1 0	85.96
1916.....	2,214	48	7 6	1,911	56	2 11	86.31
1917.....	2,255	48	10 24	1,974	55	9 4	87.54

Year.	20 years and over.			40 years and over.				
	Deaths.	Average age.		Deaths.	Average age.		Percentage to all deaths.	
		Yr.	mo. d.		Yr.	mo. d.		
1901-1905 ¹	1,398	54	9 29	74.56	1,057	62	9 9	56.37
1906-1910 ¹	1,548	56	6 20	76.55	1,217	63	7 6	60.61
1911-1915 ¹	1,650	58	0 12	81.32	1,342	63	11 27	66.14
1911.....	1,665	57	1 12	70.12	1,322	63	11 11	63.23
1912.....	1,587	57	1 15	80.31	1,261	63	9 12	63.81
1913.....	1,603	58	0 13	80.67	1,313	64	2 23	65.57
1914.....	1,642	58	8 20	83.99	1,371	64	2 8	70.13
1915.....	1,754	58	2 3	82.08	1,451	63	9 19	67.89
1916.....	1,824	58	3 29	82.38	1,511	64	0 8	68.24
1917.....	1,884	57	9 20	83.54	1,519	64	7 1	67.36

WHITE FEMALES.

Year.	All ages.			5 years and over.			
	Deaths.	Average age.		Deaths.	Average age.		Percentage to all deaths.
		Yr.	mo. d.		Yr.	mo. d.	
1901-1905 ¹	1,519	43	5 16	1,221	52	3 14	80.33
1906-1910 ¹	1,605	45	5 27	1,318	55	7 22	81.47
1911-1915 ¹	1,636	49	7 10	1,415	57	5 19	85.83
1911.....	1,650	47	0 17	1,357	57	0 17	82.24
1912.....	1,630	50	1 4	1,412	56	10 12	86.62
1913.....	1,581	48	2 26	1,340	56	9 6	84.75
1914.....	1,538	50	7 16	1,343	57	10 23	87.32
1915.....	1,781	52	0 19	1,575	53	9 7	84.43
1916.....	1,739	51	9 7	1,518	59	6 23	86.71
1917.....	1,815	51	3 29	1,586	53	7 14	87.33

Year.	20 years and over.			40 years and over.			
	Deaths.	Average age.		Deaths.	Average age.		Percentage to all deaths.
		Yr.	mo. d.		Yr.	mo. d.	
1901-1905 ¹	1,144	56	6 0	867	64	11 6	57.08
1906-1910 ¹	1,299	58	4 18	981	65	3 6	61.04
1911-1915 ¹	1,337	59	11 11	1,133	66	7 1	69.25
1911.....	1,288	59	5 5	1,037	66	6 24	62.85
1912.....	1,347	59	11 2	1,102	66	6 10	67.61
1913.....	1,263	59	4 22	1,020	66	2 20	64.52
1914.....	1,281	60	1 2	1,263	66	4 5	82.12
1915.....	1,504	60	10 26	1,245	67	3 6	69.90
1916.....	1,446	61	6 27	1,236	66	10 10	71.08
1917.....	1,509	60	11 29	1,277	66	7 13	70.36

¹ Annual average for 5-year period.

TABLE 3.—Deaths and average age of decedents in the District of Columbia, arranged according to age, sex, and race, with percentages to total corresponding mortality, from 1901 to 1917, inclusive—Continued.

COLORED MALES.

Year.	All ages.			5 years and over.		
	Deaths.	Average age.		Deaths.	Average age.	
		Yr.	mo. d.		Yr.	mo. d.
1901-1905 ¹	1,332	23	2 23	851	43	1 21
1906-1910 ¹	1,375	30	7 22	957	43	8 11
1911-1915 ¹	1,289	34	4 14	981	45	0 18
1911.....	1,319	33	0 6	986	43	11 6
1912.....	1,318	33	11 26	1,021	44	7 26
1913.....	1,253	34	7 26	939	45	11 23
1914.....	1,214	34	10 21	930	45	3 26
1915.....	1,311	35	3 22	1,027	45	4 9
1916.....	1,310	36	9 24	1,046	45	11 3
1917.....	1,321	36	8 1	1,054	45	9 0

Year.	20 years and over.			40 years and over.		
	Deaths.	Average age.		Deaths.	Average age.	
		Yr.	mo. d.		Yr.	mo. d.
1901-1905 ¹	761	46	6 15	475	57	8 2
1906-1910 ¹	869	46	9 17	525	57	8 4
1911-1915 ¹	910	47	5 28	579	57	2 20
1911.....	901	46	10 4	548	57	7 8
1912.....	931	47	8 1	603	56	11 4
1913.....	880	48	2 7	573	57	7 28
1914.....	873	47	2 3	551	57	1 4
1915.....	961	47	7 8	618	56	9 26
1916.....	986	47	11 13	628	57	5 24
1917.....	988	47	1 23	633	57	1 7

COLORED FEMALES.

Year.	All ages.			5 years and over.		
	Deaths.	Average age.		Deaths.	Average age.	
		Yr.	mo. d.		Yr.	mo. d.
1901-1905 ¹	1,315	29	4 17	898	40	11 27
1906-1910 ¹	1,314	31	0 7	930	43	1 23
1911-1915 ¹	1,231	35	1 27	965	44	7 25
1911.....	1,245	33	6 22	919	45	2 7
1912.....	1,3 5	33	8 18	988	44	3 10
1913.....	1,155	34	11 3	919	44	10 12
1914.....	1,159	36	3 26	951	44	1 5
1915.....	1,276	37	3 5	1,046	45	1 1
1916.....	1,231	37	3 4	999	45	8 20
1917.....	1,296	33	2 21	1,073	46	0 12

Year.	20 years and over.			40 years and over.		
	Deaths.	Average age.		Deaths.	Average age.	
		Yr.	mo. d.		Yr.	mo. d.
1901-1905 ¹	764	47	1 1	471	57	8 1
1906-1910 ¹	814	47	3 27	496	57	6 1
1911-1915 ¹	865	48	3 20	556	53	8 22
1911.....	828	48	7 21	533	59	5 11
1912.....	876	48	1 27	555	58	8 24
1913.....	829	48	3 1	527	53	11 5
1914.....	840	48	0 25	539	58	2 9
1915.....	952	48	4 28	626	58	4 3
1916.....	894	49	5 9	598	59	3 1
1917.....	981	49	0 28	656	53	6 29

¹ Annual average for 5-year period.

TABLE 4.—*Decedents (stillbirths excluded) in the District of Columbia under 1 year of age, by race, age, and by months, during calendar year 1917.*

Age.	January.		February.		March.		April.	
	White.	Colored.	White.	Colored.	White.	Colored.	White.	Colored.
Under 1 day.....	6	2	11	4	6	5	7	3
1 day to 1 week.....	6	7	3	4	6	10	10	3
1 week to 1 month.....	3	7	4	5	7	2	1	8
1 to 2 months.....	3	5	3	2	2	3	5	4
2 to 3 months.....	1	.....	2	2	1	1	1	1
3 to 4 months.....	3	3	1	1	1	1	.....	2
4 to 5 months.....	2	3	1	.....	.....	3	.....	.....
5 to 6 months.....	1	1	.....	.....	.....	2	.....	.....
6 to 7 months.....	1	3	1	3	1	1	1	1
7 to 8 months.....	.....	.....	.....	.....	2	1	1	1
8 to 9 months.....	2	.....	.....	.....	.....	2	1	1
9 to 10 months.....	1	1	.....	.....	.....	.....	.....	.....
10 to 11 months.....	1	4	.....	.....	1	.....	1	.....
11 to 12 months.....	2	.....	1	1	2	1	.....	.....
Total.....	32	36	27	22	29	32	28	24

Age.	May.		June.		July.		August.	
	White.	Colored.	White.	Colored.	White.	Colored.	White.	Colored.
Under 1 day.....	8	2	11	2	2	1	5	4
1 day to 1 week.....	2	4	3	5	5	4	8	4
1 week to 1 month.....	1	3	3	2	4	5	1	2
1 to 2 months.....	.....	2	4	2	2	3	7	1
2 to 3 months.....	1	.....	1	.....	.....	3	4	4
3 to 4 months.....	.....	.....	1	.....	1	4	2	6
4 to 5 months.....	1	1	.....	1	6	2	3	5
5 to 6 months.....	.....	.....	.....	2	2	3	6	3
6 to 7 months.....	.....	3	.....	1	2	2	3	2
7 to 8 months.....	1	.....	.....	1	5	4	4	2
8 to 9 months.....	.....	.....	.....	.....	1	2	1	2
9 to 10 months.....	2	2	1	1	.....	1	3	2
10 to 11 months.....	2	1	1	1	1	3	4	2
11 to 12 months.....	.....	.....	1	2	.....	1	1	2
Total.....	18	18	26	18	31	38	52	41

Age.	September.		October.		November.		December.	
	White.	Colored.	White.	Colored.	White.	Colored.	White.	Colored.
Under 1 day.....	3	3	6	5	6	5	7	8
1 day to 1 week.....	8	2	6	6	9	9	9	4
1 week to 1 month.....	1	.....	3	2	4	.....	4	3
1 to 2 months.....	2	2	4	.....	5	.....	2	3
2 to 3 months.....	5	4	3	4	1	3	3	4
3 to 4 months.....	3	4	2	3	1	2	2	2
4 to 5 months.....	2	5	1	1	2	1	.....	1
5 to 6 months.....	3	.....	1	2	.....	.....	2	.....
6 to 7 months.....	2	3	1	.....	.....	2	.....	1
7 to 8 months.....	3	2	1	1	.....	.....	.....	.....
8 to 9 months.....	2	1	1	2	.....	.....	1	2
9 to 10 months.....	2	6	.....	.....	.....	2	.....	3
10 to 11 months.....	3	3	.....	1	1	3	.....	1
11 to 12 months.....	1	.....	2	.....	.....	.....	1	2
Total.....	40	35	31	27	28	32	31	34

TABLE 4.—*Decedents (stillbirths excluded) in the District of Columbia under 1 year of age, by race, age, and by months, during calendar year 1917—Continued.*

SUMMARY.

Age.	Deaths.			Percentage of—		
	White.	Colored.	All.	Whites under 1 year of age.	Colored under 1 year of age.	Total under 1 year of age.
Under 1 day.....	78	44	122	20.91	12.32	16.71
1 day to 1 week.....	75	67	142	20.11	18.77	19.45
1 week to 1 month.....	36	35	71	9.65	9.80	9.73
1 to 2 months.....	38	29	67	10.19	8.12	9.18
2 to 3 months.....	23	27	50	6.17	7.56	6.85
3 to 4 months.....	17	29	46	4.56	8.13	6.30
4 to 5 months.....	18	23	41	4.82	6.44	5.62
5 to 6 months.....	15	10	25	4.02	2.80	3.42
6 to 7 months.....	12	23	35	3.22	6.45	4.79
7 to 8 months.....	17	12	29	4.56	3.36	3.97
8 to 9 months.....	9	12	21	2.41	3.36	2.88
9 to 10 months.....	9	18	27	2.41	5.04	3.70
10 to 11 months.....	15	19	34	4.02	5.32	4.66
11 to 12 months.....	11	9	20	2.95	2.52	2.74
Total.....	373	357	730	100.00	100.00	100.00

TABLE 5.—*Number and age of decedents in the District of Columbia 70 years of age and over, during the calendar year 1917.*

Age (years).	White.		Colored.		Total.	Age (years).	White.		Colored.		Total.
	Male.	Female.	Male.	Female.			Male.	Female.	Male.	Female.	
70.....	50	46	17	27	140	87.....	8	12	1	4	25
71.....	33	33	4	7	77	88.....	4	11	.....	1	16
72.....	48	38	15	9	110	89.....	5	7	2	1	15
73.....	51	39	10	11	111	90.....	7	13	4	1	25
74.....	53	35	7	5	100	91.....	1	5	1	2	9
75.....	56	37	16	12	121	92.....	3	4	1	.....	8
76.....	49	37	4	5	95	93.....	1	1	.....	1	2
77.....	35	49	7	5	96	94.....	1	3	.....	1	5
78.....	26	32	5	4	67	95.....	3	3	1	1	8
79.....	34	27	5	2	68	96.....	1	2	.....	3	6
80.....	41	31	6	16	94	99.....	.....	.....	1	.....	1
81.....	15	22	1	3	41	102.....	1	.....	.....	.....	1
82.....	28	24	1	3	56	104.....	.....	.....	.....	1	1
83.....	17	16	1	1	35	105.....	.....	.....	.....	2	2
84.....	17	26	4	1	48	106.....	.....	.....	.....	1	1
85.....	17	22	4	3	46	Total.....	619	586	120	133	1,458
86.....	14	11	2	1	28						

TABLE 6.—*Number of deaths in hospitals and other public institutions in the District of Columbia during the calendar year 1917.*

Place of death.	White.	Colored.	Total.
Bruen Home.....	2	.....	2
Baby Hospital camp.....	12	7	19
Chevy Chase Sanitarium.....	2	.....	2
Columbia Hospital.....	41	28	69
Children's Hospital.....	74	47	121
Casualty Hospital.....	84	51	135
Baptist Home.....	3	.....	3
Convent of Good Shepherd.....	1	.....	1
Episcopal Eye, Ear, and Throat Hospital.....	9	.....	9
Emergency Hospital.....	170	72	242
Freedman's Hospital.....	.....	334	334
Florence Crittenden Home.....	2	.....	2
Georgetown Visitation Convent.....	3	.....	3
Garfield Hospital.....	82	71	153
Georgetown Hospital.....	107	19	126
George Washington Hospital.....	92	.....	92

TABLE 6.—*Number of deaths in hospitals and other public institutions in the District of Columbia during the calendar year 1917—Continued.*

Place of death.	White.	Colored.	Total.
Edes Home	1	.....	1
Hebrew Home for Aged	1	.....	1
Home for Aged and Infirm (Blue Plains)	12	28	40
Interstate Old Folks' Home	.....	1	1
John Fickson Home	4	.....	4
Little Sisters of the Poor	28	9	37
Louise Home	3	.....	3
Masonic and Eastern Star Home	5	.....	5
Martha Home	1	.....	1
Methodist Home for Aged	2	.....	2
National Homeopathic Hospital	45	22	67
National Lutheran Home	6	.....	6
National Training School (Boys)	.....	1	1
Epiphany Church Home	2	.....	2
Providence Hospital	184	26	210
Rupperts' Home	4	.....	4
St. Vincent Orphan Asylum	2	.....	2
St. Ann's Asylum	10	.....	10
St. John's Orphanage	1	.....	1
Sibley Hospital	153	.....	153
St. Elizabeths	299	105	404
Tuberculosis Hospital	72	105	177
United States Soldiers Home	87	3	90
United States Naval Hospital	19	.....	19
Washington Barracks	2	.....	2
Washington Home for Foundlings	2	.....	2
Washington Sanitarium Mission Hospital	5	1	6
Washington Home for Incurables	15	.....	15
Washington Cancer Sanitarium	2	.....	2
Washington Asylum Hospital	82	.....	82
Walter Reed Hospital	57	3	60
Total	1,790	933	2,723

TABLE 8.—*Places of interment or other disposition of remains in the District of Columbia during the calendar year 1917.*

Places of interment.	Persons dying in District of Columbia.			Persons brought into District of Columbia.		
	White.	Colored.	Total.	White.	Colored.	Total.
Above Shalom	18	.....	18	1	.....	1
Adas Israel	18	.....	18	1	.....	1
Arlington National	289	56	345	40	.....	40
Anatomical Board	16	77	93	.....	.....	.....
Congressional	477	.....	477	68	.....	68
Elesaret Gradd	7	.....	7	2	.....	2
Glenwood	423	.....	423	92	.....	92
Georgetown College	1	.....	1	.....	.....	.....
Georgetown Convent	3	.....	3	.....	.....	.....
Holy Rood	58	11	69	11	.....	11
Harmony	1	475	476	.....	45	45
Lee's Crematorium	42	.....	42	17	.....	17
Mount Olivet	600	175	775	68	10	78
Municipal Crematorium	71	198	269	6	2	8
Mount Zion	1	256	257	.....	12	12
Methodist	21	.....	21	2	.....	2
Morre's	1	93	94	.....	4	4
Macedonia	.....	7	7	.....	.....	.....
National Capital Hebrew	17	.....	17	.....	.....	.....
Oak Hill	111	.....	111	41	.....	41
Prospect Hill	139	1	140	9	.....	9
Potter's field	2	6	8	.....	1	1
Payne's	2	353	355	.....	16	16
Rock Creek	394	.....	394	96	.....	96
Sent out of District of Columbia	1,080	463	1,543	36	15	51
St. Elizabeth	64	41	105	.....	.....	.....
St. Mary's	78	.....	78	10	.....	10
St. Albans Cathedral	.....	.....	4	1	.....	1
Talmund Torrah	4	.....	4	.....	.....	.....
United States Soldiers' Home	84	4	88	.....	.....	.....
Union Baptist	.....	37	37	.....	1	1
Veitch	1	1	2	.....	.....	.....
Washington Hebrew	27	.....	27	8	.....	8
Woodlawn	20	353	353	.....	27	27
Total	4,070	2,617	6,687	509	133	642

TABLE 9.—*Estimated population, deaths (stillbirths excluded), and death rate in the District of Columbia, by race and calendar years, from 1901 to 1917.*

Year.	Population.			Deaths.			Death rates.		
	White.	Colored.	Total.	White.	Colored.	Total.	White.	Colored.	Total.
1901-1905 ¹	217,606	93,719	311,325	3,395	2,647	6,042	15.60	28.20	19.41
1906-1910 ¹	240,244	96,696	336,940	3,626	2,678	6,304	15.09	27.69	18.71
1911-1915 ¹	255,162	98,281	353,443	3,665	2,523	6,188	14.35	25.63	17.49
1911	251,409	98,159	349,568	3,739	2,564	6,304	14.87	26.12	18.03
1912	254,260	98,676	352,936	3,606	2,653	6,259	14.18	26.89	17.73
1913	255,153	98,144	353,297	3,568	2,438	6,006	13.98	24.84	16.99
1914	256,049	97,615	353,664	3,493	2,373	5,866	13.64	24.31	16.59
1915	258,940	98,809	357,749	3,918	2,587	6,505	15.13	26.18	18.18
1916	260,854	99,143	359,997	3,953	2,541	6,494	15.15	25.61	18.04
1917	293,329	102,618	395,947	4,070	2,617	6,687	13.88	25.50	16.89

¹ Annual average for 5-year period.TABLE 10.—*Deaths (stillbirths excluded) in the District of Columbia of children under 1 year of age, by sex and color, and by months and years.*

Calendar year.	January.						February.						March.					
	White.			Colored.			White.			Colored.			White.			Colored.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1901-1905 ¹	21	16	37	30	22	52	21	18	39	28	21	49	26	16	42	22	18	40
1906-1910 ¹	19	15	34	22	19	41	21	15	36	21	18	39	25	19	44	30	21	51
1911-1915 ¹	16	13	29	17	15	32	18	13	31	19	15	34	21	15	36	18	14	32
1911	18	17	35	21	16	37	14	9	23	22	16	38	15	18	33	12	12	24
1912	18	20	38	20	17	37	22	12	34	11	17	28	30	17	47	12	17	49
1913	20	13	33	14	22	36	21	14	35	20	16	36	19	11	30	21	15	36
1914	14	11	22	15	10	25	15	14	29	25	18	43	21	20	41	13	12	25
1915	12	7	19	16	9	25	17	17	34	17	8	25	20	8	28	32	16	48
1916	20	11	31	15	6	21	20	16	36	13	13	26	18	15	33	10	15	25
1917	21	11	32	17	19	36	15	12	27	11	11	22	12	17	29	16	16	32

Calendar year.	April.						May.						June.					
	White.			Colored.			White.			Colored.			White.			Colored.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1901-1905 ¹	17	14	31	23	18	41	18	13	21	16	19	35	30	19	49	44	30	74
1906-1910 ¹	20	15	35	19	19	38	16	13	29	19	15	34	24	20	45	39	32	71
1911-1915 ¹	19	13	32	16	15	31	15	11	26	19	11	30	15	10	25	21	13	34
1911	22	16	38	15	15	30	23	10	33	17	12	29	14	13	27	18	7	25
1912	25	13	38	25	22	47	12	9	21	15	15	30	20	6	26	22	18	40
1913	16	14	30	14	12	26	14	8	22	14	9	23	18	17	35	35	19	54
1914	16	7	23	11	15	26	9	9	18	20	11	31	11	7	18	17	12	29
1915	17	15	32	15	12	27	17	17	34	17	9	26	11	9	20	16	10	26
1916	18	12	30	7	8	15	21	12	33	18	10	28	15	13	28	14	8	22
1917	12	16	28	13	11	24	11	7	18	8	10	18	14	12	26	10	8	18

¹ Annual average for 5-year period.

TABLE 10.—Deaths (stillbirths excluded) in the District of Columbia of children under 1 year of age, by sex and color, and by months and years—Continued.

Calendar year.	July.						August.						September.					
	White.			Colored.			White.			Colored.			White.			Colored.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1901-1905 ¹	52	40	92	56	55	111	33	22	55	35	74	22	19	41	25	23	48	
1906-1910 ¹	47	33	80	46	45	91	36	29	65	32	61	27	19	46	24	21	45	
1911-1915 ¹	31	22	53	26	26	52	25	18	43	24	44	23	17	40	21	18	39	
1911.....	50	39	89	34	44	78	40	27	67	27	50	57	17	22	39	24	15	39
1912.....	33	18	51	32	35	67	22	18	40	32	22	54	27	11	38	18	19	37
1913.....	33	24	57	26	24	50	18	13	31	22	12	34	19	16	35	21	21	42
1914.....	21	14	35	22	16	38	23	13	36	22	18	40	20	19	39	20	11	31
1915.....	20	14	34	18	12	30	24	18	42	19	18	37	31	16	47	21	24	45
1916.....	30	25	55	35	21	56	30	17	47	17	26	43	18	18	36	23	19	42
1917.....	20	11	31	21	17	38	32	20	52	24	17	41	23	17	40	17	18	35

Calendar year.	October.						November.						December.					
	White.			Colored.			White.			Colored.			White.			Colored.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1901-1905 ¹	22	17	39	27	20	47	19	14	33	18	15	33	15	12	27	24	22	46
1906-1910 ¹	21	17	38	25	18	43	20	14	34	20	20	40	21	13	34	22	16	38
1911-1915 ¹	18	15	33	18	14	32	18	13	31	17	16	33	20	12	32	15	14	29
1911.....	18	19	37	26	18	44	22	10	32	17	20	37	23	14	37	13	16	29
1912.....	19	11	30	21	20	41	21	14	35	17	13	30	16	13	29	20	12	32
1913.....	15	13	28	15	13	28	13	17	30	14	20	34	22	12	34	16	13	29
1914.....	9	16	25	16	12	28	18	11	29	20	9	29	17	11	28	11	16	27
1915.....	28	18	46	14	17	31	15	13	28	19	16	35	24	10	34	15	10	25
1916.....	22	17	39	18	12	30	7	10	17	6	13	19	18	10	28	18	8	26
1917.....	18	13	31	11	16	27	18	10	28	16	16	32	15	16	31	17	17	34

SUMMARY.

Calendar year.	White.		Colored.		Grand total.		
	Male.	Female.	Male.	Female.	White.	Colored.	Total.
1901-1905 ¹	297	218	353	297	515	650	1,165
1906-1910 ¹	297	225	319	273	522	592	1,114
1911-1915 ¹	239	172	231	193	411	424	835
1911.....	276	214	246	221	490	467	957
1912.....	265	162	245	227	427	272	899
1913.....	228	172	232	196	400	428	828
1914.....	191	152	212	160	343	372	715
1915.....	236	162	219	161	398	380	778
1916.....	237	176	194	159	413	353	766
1917.....	211	162	181	176	373	357	730

¹ Annual average for 5-year period.

TABLE 11.—Deaths (stillbirths excluded) in the District of Columbia, by race, under 5 years of age.

Calendar year.	White.	Colored.	Total.
1901-1905 ¹	687	896	1,583
1906-1910 ¹	685	792	1,477
1911-1915 ¹	534	578	1,112
1911.....	643	659	1,302
1912.....	536	644	1,180
1913.....	550	580	1,130
1914.....	438	492	930
1915.....	506	513	1,019
1916.....	534	496	1,030
1917.....	510	490	1,000

¹ Annual average for 5-year period.

TABLE 12.—*Births (stillbirths excluded), decedents under 1 year, and death rates based on reported births, for the years during and since the calendar year 1901.*

Years.	White.			Colored.			All.		
	Births.	Deaths under 1 year	Death rate per 1,000 births.	Births.	Deaths under 1 year.	Death rate per 1,000 births.	Births.	Deaths under 1 year.	Death rate per 1,000 births.
1901-1905 ¹	3,429	519	151	1,980	650	328	5,409	1,169	216
1906-1910 ¹	4,632	522	113	2,268	592	261	6,900	1,114	161
1911-1915 ¹	4,794	411	86	2,234	424	189	7,028	835	119
1916.....	5,042	413	82	2,216	353	159	7,258	766	106
1917.....	5,201	373	71	2,228	357	160	7,519	730	97

¹Annual average for 5-year period.TABLE 12a.—*Deaths (stillbirths excluded) of infants under 1 day, and from 1 day to 1 week old, in the District of Columbia, with corresponding death rates based on registered births, during the calendar years 1901-1917, inclusive.*

Years.	Registered births.			Deaths under 1 day.			Death rates under 1 day.			Deaths 1 to 7 days.			Death rates 1 to 7 days.		
	W.	C.	All.	W.	C.	All.	W.	C.	All.	W.	C.	All.	W.	C.	All.
1901-1905 ¹	3,429	1,980	5,409	70	54	124	20.4	27.3	23.0	76	82	158	22.2	41.4	29.2
1906-1910 ¹	4,632	2,268	6,900	78	53	131	16.8	23.4	18.9	88	69	157	19.0	30.4	22.8
1911-1915 ¹	4,794	2,234	7,028	81	51	132	16.9	22.8	18.7	70	62	132	14.6	27.8	18.8
1916.....	5,042	2,216	7,258	89	43	132	17.6	19.4	18.2	74	62	136	14.7	28.0	18.7
1917.....	5,201	2,228	7,519	78	44	122	14.7	19.7	16.2	75	66	141	14.2	29.6	18.8

¹Average for 5-year period.TABLE 13.—*Deaths (stillbirths excluded) and death rates in the District of Columbia, by race and by months, from 1901 to 1917, inclusive.*

Calendar year.	January.					February.					March.				
	White.		Colored.		rate per 100,000 total population.	White.		Colored.		rate per 100,000 total population.	White.		Colored.		rate per 100,000 total population.
	Deaths.	Monthly death rate per 100,000.	Deaths.	Monthly death rate per 100,000.		Deaths.	Monthly death rate per 100,000.	Deaths.	Monthly death rate per 100,000.		Deaths.	Monthly death rate per 100,000.	Deaths.	Monthly death rate per 100,000.	
1901-1905 ¹ ...	323	148	251	268	184	307	141	228	243	171	332	152	226	241	179
1906-1910 ¹ ...	338	140	237	245	170	325	135	224	231	163	343	142	257	264	178
1911-1915 ¹ ...	344	135	224	228	161	340	133	217	220	157	374	146	240	244	174
1911.....	355	141	230	234	167	323	128	212	215	153	370	147	215	219	167
1912.....	365	144	229	232	168	356	140	211	214	160	358	141	248	251	171
1913.....	311	122	226	230	152	345	135	222	226	160	340	133	216	220	157
1914.....	353	138	208	213	159	310	121	219	224	150	368	144	245	251	173
1915.....	335	129	228	231	157	367	142	219	222	164	432	167	276	279	198
1916.....	399	153	246	248	179	353	135	208	209	156	418	160	234	236	181
1917.....	437	149	259	252	176	367	125	227	221	150	399	136	260	253	166

¹Average for 5-year period.

TABLE 13.—Deaths (stillbirths excluded) and death rates in the District of Columbia, by race and by months, from 1901 to 1917, inclusive—Continued.

Calendar year.	April.					May.					June.				
	White.		Colored.		rate per 100,000 population.	White.		Colored.		rate per 100,000 population.	White.		Colored.		rate per 100,000 population.
	Deaths.	Monthly death rate per 100,000.	Deaths.	Monthly death rate per 100,000.		Deaths.	Monthly death rate per 100,000.	Deaths.	Monthly death rate per 100,000.		Deaths.	Monthly death rate per 100,000.	Deaths.	Monthly death rate per 100,000.	
1901-1905 ¹ ...	287	132	217	231	162	251	115	201	214	145	253	116	231	246	155
1906-1910 ¹ ...	314	131	228	235	161	282	117	206	213	145	280	116	223	230	149
1911-1915 ¹ ...	327	128	227	231	156	289	113	202	205	139	261	102	193	196	128
1911.....	330	131	221	225	158	301	119	205	208	145	261	103	176	179	125
1912.....	324	127	231	234	157	257	101	232	235	138	254	100	192	195	126
1913.....	321	126	209	213	150	306	120	190	203	143	287	112	210	214	140
1914.....	296	116	233	239	150	297	116	179	183	135	247	96	182	186	121
1915.....	364	140	239	242	168	283	109	195	197	134	254	98	205	208	129
1916.....	353	135	226	228	161	310	119	197	199	141	271	104	173	174	123
1917.....	344	117	217	211	142	334	114	188	183	132	294	100	181	176	120

Calendar year.	July.					August.					September.				
	White.		Colored.		rate per 100,000 population.	White.		Colored.		rate per 100,000 population.	White.		Colored.		rate per 100,000 population.
	Deaths.	Monthly death rate per 100,000.	Deaths.	Monthly death rate per 100,000.		Deaths.	Monthly death rate per 100,000.	Deaths.	Monthly death rate per 100,000.		Deaths.	Monthly death rate per 100,000.	Deaths.	Monthly death rate per 100,000.	
1901-1905 ¹ ...	314	144	282	300	191	253	116	227	242	154	237	109	186	198	136
1906-1910 ¹ ...	322	134	268	277	175	267	111	216	223	143	264	110	194	201	136
1911-1915 ¹ ...	299	117	221	224	147	258	101	205	208	131	261	102	187	190	127
1911.....	366	145	252	257	177	265	105	210	214	137	255	101	190	193	127
1912.....	270	106	254	257	148	284	112	233	236	146	235	92	185	187	118
1913.....	303	119	218	222	147	245	96	177	180	119	262	103	178	181	125
1914.....	260	102	191	196	128	239	93	190	195	121	258	101	186	191	126
1915.....	300	116	189	191	137	257	99	215	218	132	294	114	198	200	138
1916.....	298	114	248	250	152	265	102	223	225	136	282	108	217	219	139
1917.....	260	89	217	211	120	307	105	209	204	130	291	99	227	221	131

Calendar year.	October.					November.					December.				
	White.		Colored.		rate per 100,000 population.	White.		Colored.		rate per 100,000 population.	White.		Colored.		rate per 100,000 population.
	Deaths.	Monthly death rate per 100,000.	Deaths.	Monthly death rate per 100,000.		Deaths.	Monthly death rate per 100,000.	Deaths.	Monthly death rate per 100,000.		Deaths.	Monthly death rate per 100,000.	Deaths.	Monthly death rate per 100,000.	
1901-1905 ¹ ...	270	124	198	211	150	271	125	185	197	146	297	136	217	231	165
1906-1910 ¹ ...	278	116	205	212	143	280	117	196	203	141	334	139	224	232	166
1911-1915 ¹ ...	282	110	207	210	138	300	118	201	204	142	330	129	200	202	150
1911.....	301	119	237	241	154	294	117	211	215	144	318	126	205	209	150
1912.....	294	116	229	232	148	278	109	202	205	136	331	130	207	210	152
1913.....	260	102	189	192	127	287	112	211	215	141	301	118	183	187	137
1914.....	246	96	179	183	120	306	120	183	187	138	313	122	178	182	139
1915.....	308	119	200	202	142	337	130	196	198	149	387	149	226	239	171
1916.....	303	116	182	183	135	341	131	187	189	147	360	134	200	203	156
1917.....	317	108	196	191	130	334	114	202	197	135	386	131	234	228	156

¹ Average for 5-year period.

TABLE 14.—*Number of deaths and relative mortality of certain specified diseases, contagious and otherwise, for the years mentioned below.*

Year.	1 Aneurism.						2 Angina pectoris.						3 Apoplexy.					
	Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.		
	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.
1901-1905 ¹	4	3	7	1.8	3.2	2.2	18	4	22	8.3	4.3	7.1	177	91	268	81.3	97.1	86.8
1906-1910 ¹	6	7	13	2.5	7.2	3.8	15	4	19	6.2	4.1	5.6	216	111	327	90.0	114.8	97.8
1911-1915 ¹	7	8	15	2.7	8.0	4.2	20	5	25	7.8	5.1	7.1	273	140	413	106.9	142.2	116.7
1911.....	8	4	12	3.2	4.1	3.4	21	2	23	8.3	2.0	6.5	261	143	404	103.8	145.6	115.5
1912.....	8	9	17	3.1	9.1	4.8	19	8	27	7.5	8.1	7.6	265	134	399	104.2	135.8	113.1
1913.....	2	12	14	.8	12.2	4.0	15	5	20	5.9	5.1	5.6	251	134	385	95.3	136.5	108.9
1914.....	7	6	13	2.7	6.1	3.7	19	4	23	7.4	4.1	6.5	283	136	419	110.5	139.3	118.5
1915.....	9	9	18	3.5	9.1	5.0	25	5	30	9.6	5.1	8.4	303	151	457	118.1	152.8	127.7
1916.....	4	23	27	1.5	23.2	7.5	22	8	30	8.4	8.1	8.3	304	159	463	116.5	160.4	128.7
1917.....	8	12	20	2.7	11.7	5.1	34	1	35	11.6	.9	8.8	318	172	490	103.4	167.6	123.7

Year.	4 Arteriosclerosis.						5 Bright's disease.						6 Cirrhosis of liver.					
	Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.		
	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.
1901-1905 ¹	29	6	35	13.3	6.4	11.2	233	127	360	107.1	135.5	115.6	27	7	34	12.4	7.5	10.9
1906-1910 ¹	71	13	84	29.5	13.4	24.9	283	159	442	117.8	164.5	131.2	33	10	43	13.7	10.3	12.8
1911-1915 ¹	93	22	120	38.4	22.3	33.9	347	197	544	135.8	200.1	153.7	34	8	42	13.3	8.0	11.9
1911.....	85	19	104	33.8	19.3	29.7	337	188	525	134.0	191.5	150.2	40	4	44	15.9	4.1	12.6
1912.....	82	23	105	32.2	23.3	29.7	322	182	504	126.5	184.5	142.8	53	6	59	13.0	6.1	11.0
1913.....	86	8	94	33.7	8.2	26.6	321	163	489	125.8	171.2	138.4	27	10	37	10.6	10.2	10.5
1914.....	116	27	143	45.3	27.7	40.4	363	225	588	141.7	230.5	165.2	30	11	41	11.7	11.3	13.0
1915.....	122	32	154	47.1	32.4	43.1	392	221	613	151.4	223.7	171.3	43	8	51	16.6	8.1	14.2
1916.....	153	26	179	58.6	26.2	49.7	381	207	588	146.1	203.8	163.3	28	6	34	10.7	6.1	9.4
1917.....	112	32	144	38.2	31.2	36.4	397	242	639	135.3	235.8	161.4	34	6	40	11.6	5.8	10.1

Year.	7 Diabetes.						8 Diarrhea and enteritis (under 2 years).						9 Diarrhea and enteritis (2 years and over).					
	Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.		
	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.
1901-1905 ¹	27	4	31	12.4	4.3	9.9	126	197	323	57.9	210.2	103.8	56	26	82	25.7	27.7	26.3
1906-1910 ¹	37	4	41	15.4	4.1	12.2	128	177	305	53.3	183.1	90.5	50	22	72	20.8	22.7	21.4
1911-1915 ¹	50	8	58	19.5	8.0	16.3	81	111	192	31.7	112.7	54.2	43	20	63	16.8	20.3	17.8
1911.....	46	4	50	18.3	4.1	14.3	124	133	257	49.3	135.5	73.5	50	20	70	19.9	20.4	20.0
1912.....	40	5	45	15.7	5.1	12.8	77	110	187	30.3	111.5	53.0	44	19	63	17.3	19.3	17.8
1913.....	46	13	59	18.0	13.3	16.7	85	123	208	33.3	125.4	58.9	45	23	68	17.6	23.4	19.2
1914.....	53	6	64	22.6	6.1	11.8	48	94	142	18.7	96.3	40.1	37	20	57	14.5	20.5	16.1
1915.....	61	11	72	23.6	11.1	20.1	71	96	167	27.4	97.1	46.7	38	20	58	14.7	20.2	16.2
1916.....	55	12	63	21.4	12.1	18.8	74	101	175	23.3	101.9	48.6	37	27	64	14.2	27.2	21.8
1917.....	50	15	65	17.0	14.6	16.4	105	122	227	35.8	118.9	57.3	46	22	68	15.7	21.4	17.2

¹ Annual average for 5-year period.

TABLE 14.—*Number of deaths and relative mortality of certain specified diseases, contagious and otherwise, for the years mentioned below—Continued.*

Year.	10 Diseases of the heart.						11 Dysentery.						12 Epilepsy.					
	Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.		
	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.
1901-1905 ¹	277	216	493	127.3	230.5	158.4	13	10	23	6.0	10.7	7.4	14	10	24	6.4	10.7	7.7
1906-1910 ¹	332	236	568	138.3	244.1	163.6	7	9	16	2.9	9.3	4.7	13	9	22	5.4	9.3	6.5
1911-1915 ¹	461	277	738	180.5	281.3	208.5	4	3	7	1.6	3.0	2.0	10	11	21	3.9	11.1	5.9
1911.....	393	266	659	156.3	271.0	188.5	5	6	11	1.9	6.1	3.1	6	13	19	2.4	13.2	5.4
1912.....	474	312	786	186.4	316.2	222.7	5	4	9	2.0	4.1	2.5	10	13	23	3.9	13.1	6.5
1913.....	459	277	736	179.9	282.3	203.2	3	3	6	1.2	3.1	1.7	17	13	30	6.7	13.3	8.5
1914.....	430	227	657	167.9	232.6	185.8	4	1	5	1.6	1.0	1.4	10	10	20	3.9	10.3	5.6
1915.....	552	301	853	213.1	304.6	238.4	5	2	7	1.9	2.0	2.0	6	9	15	2.3	9.1	4.2
1916.....	488	228	716	187.1	230.0	198.8	3	3	6	1.1	3.0	1.7	12	6	18	4.6	6.1	5.0
1917.....	494	283	777	168.4	275.8	196.2	4	3	7	1.4	2.9	1.8	15	17	32	5.1	16.5	8.1

Year.	13 Gastritis.						14 Grippe.						15 Insanity.					
	Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.		
	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.
1901-1905 ¹	44	24	68	20.2	25.6	21.8	51	38	89	23.4	40.5	28.6	27	8	35	12.4	8.5	11.2
1906-1910 ¹	41	32	73	17.1	33.1	21.7	52	44	96	21.6	45.5	28.5	25	11	36	10.4	11.4	10.7
1911-1915 ¹	25	29	54	9.8	29.5	15.3	40	31	71	15.7	31.5	20.1	41	22	63	16.1	22.3	17.8
1911.....	34	34	68	13.5	34.6	19.5	41	26	67	16.3	26.5	19.1	34	15	49	13.5	15.3	14.0
1912.....	31	31	62	12.1	31.4	17.5	28	34	62	11.0	34.4	17.5	36	12	48	14.1	12.1	13.6
1913.....	23	33	56	9.0	33.6	15.8	30	19	49	11.8	19.4	13.8	40	20	60	15.6	20.4	17.0
1914.....	25	23	48	9.8	23.6	13.5	34	31	65	13.2	23.1	18.3	53	29	87	22.6	29.7	24.6
1915.....	13	26	39	5.0	26.3	10.9	70	44	114	27.0	44.5	31.9	39	32	71	15.1	32.3	19.8
1916.....	14	20	34	5.4	20.2	9.4	71	41	112	27.2	41.4	31.1	52	25	77	19.9	25.2	21.4
1917.....	18	13	31	6.1	12.7	7.8	66	40	105	22.5	39.0	26.8	63	34	97	21.5	33.1	24.5

Year.	16 Malarial fevers.						17 Malignant growths.						18 Pneumonia, all forms.					
	Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.		
	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.
1901-1905 ¹	12	11	23	5.5	11.7	7.4	166	52	218	76.3	55.5	70.0	219	288	507	100.6	307.3	162.9
1906-1910 ¹	5	6	11	2.1	6.2	3.2	212	64	276	88.3	66.2	81.9	246	304	550	102.5	314.0	163.2
1911-1915 ¹	2	1	3	.8	1.0	.8	259	80	339	101.4	81.2	95.8	262	285	547	102.6	289.0	154.6
1911.....	2	2	4	.8	2.0	1.1	245	78	323	96.3	79.1	91.5	251	274	525	98.7	277.7	148.7
1912.....	5	3	8	2.0	3.1	2.3	278	73	351	109.0	74.0	99.0	207	277	484	81.1	282.2	137.0
1913.....	3	3	6	1.2	3.1	2.3	259	85	344	101.1	86.9	97.8	242	226	468	94.4	231.5	132.3
1914.....	1	1	2	.4	1.0	.6	301	91	392	116.2	92.1	109.6	333	338	671	128.6	342.1	187.6
1915.....	2	1	3	.7	1.0	.8	294	93	387	112.7	93.8	107.5	305	299	604	116.9	301.6	167.7
1916.....	1	4	5	.3	3.9	1.3	345	75	420	117.6	72.9	106.1	330	503	833	112.5	298.3	160.7

¹ Annual average for 5-year period.

TABLE 14.—*Number of deaths and relative mortality of certain specified diseases, contagious and otherwise, for the years mentioned below—Continued.*

Year.	19 Rheumatism, acute and chronic.						20 Rabies.						21 Softening of the brain.					
	Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.		
	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.
1901-1905 ¹	25	10	35	11.5	10.6	11.2	.....	.....	.....	.....	.....	.....	12	6	18	5.5	6.4	5.7
1906-1910 ¹	20	11	31	8.3	11.4	9.2	.....	.....	.....	.....	.....	.....	15	6	21	8.7	6.2	6.2
1911-1915 ¹	15	9	24	5.9	9.1	6.8	.....	.....	.....	.....	.....	.....	6	2	8	2.3	2.0	2.3
1911.....	17	8	25	6.7	8.1	7.1	.....	1	1	.....	1.0	0.3	10	1	11	3.9	1.0	3.1
1912.....	13	8	21	5.1	8.1	5.9	.....	.....	.....	.....	.....	.....	11	5	16	4.3	5.1	4.5
1913.....	13	10	23	5.1	10.2	6.5	1	.....	1	0.4	.....	3	3	.....	3	1.2	.....	.8
1914.....	22	11	33	8.6	11.2	9.2	1	.....	1	.....	.....	3	4	4	8	1.5	4.1	2.3
1915.....	13	6	19	5.0	6.1	5.3	1	.....	1	.4	.....	3	2	2	4	.8	2.0	1.1
1916.....	13	5	18	5.0	5.0	5.0	.....	.....	.....	.....	.....	.....	2	.....	2	.8	.....	.6
1917.....	16	8	24	5.5	7.8	6.1	.....	.....	.....	.....	.....	.....	2	2	4	.7	2.0	1.0

Year.	22 Suicides.						23 Steam railroad accidents.						24 Street railroad accidents.					
	Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.		
	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.
1901-1905 ¹	46	5	51	21.1	5.3	16.4	18	6	24	8.3	6.4	7.7	6	2	8	2.8	2.1	2.6
1906-1910 ¹	62	9	71	25.8	9.3	21.1	18	7	25	7.5	7.2	7.4	11	4	15	4.6	4.1	4.4
1911-1915 ¹	71	10	81	27.8	10.2	22.9	7	1	8	2.7	1.0	2.3	12	3	15	4.7	3.0	4.2
1911.....	78	11	89	31.0	11.2	25.5	3	2	5	1.1	2.0	1.4	11	6	17	4.3	6.1	4.9
1912.....	80	9	89	31.6	9.2	25.1	13	2	15	5.1	2.0	4.2	16	3	19	6.2	3.0	5.3
1913.....	64	8	72	25.1	8.1	20.5	7	2	9	2.7	2.0	2.5	9	1	10	3.5	1.0	2.8
1914.....	59	8	67	22.7	8.1	18.9	5	2	7	2.0	2.1	2.0	13	4	17	5.1	4.1	4.8
1915.....	76	11	87	29.3	11.1	24.3	5	.....	5	1.9	.....	1.4	10	2	12	3.8	2.1	3.3
1916.....	77	11	88	29.4	11.0	24.5	5	3	8	1.9	3.1	2.2	6	3	9	2.3	3.0	2.5
1917.....	67	9	76	22.7	8.8	19.1	11	2	13	3.8	1.9	3.3	12	8	20	4.1	7.8	5.1

¹ Annual average for 5-year period.TABLE 15.—*Deaths in the District of Columbia from cancers and other malignant tumors by race and sex, for the years mentioned below.*

Calendar years.	White.		Colored.		Total.		
	M.	F.	M.	F.	M.	F.	All.
1901-1905 ¹	61	105	14	39	75	144	219
1906-1910 ¹	88	124	17	47	105	171	276
1911-1915 ¹	104	156	26	53	130	209	339
1911.....	83	132	25	46	108	178	286
1912.....	99	146	28	50	127	196	323
1913.....	114	164	23	50	137	214	351
1914.....	103	156	32	53	135	209	344
1915.....	121	180	33	68	144	248	392
1916.....	122	172	31	62	153	234	387
1917.....	143	202	27	48	170	250	420

¹ Annual average for 5-year period.

TABLE 16.—Deaths in the District of Columbia from cancers and other malignant growths, arranged with reference to sex, race, marital relation, age, and organs involved, during the calendar year 1917.

Location.	Total.	White.		Colored.		Marital relation.			Age.											
		Male.	Female.	Male.	Female.	Married or widowed.	Single.	Unknown.	Under 5 years.	5 to 9 years.	10 to 19 years.	20 to 29 years.	30 to 39 years.	40 to 49 years.	50 to 59 years.	60 to 69 years.	70 to 79 years.	80 to 89 years.	90 years and over.	
<i>Head, face, neck, etc.:</i>																				
Jaw.....	8	3	1	1	3	7	1	1					2	3	1	1		1		
Lip.....	2	1	1			1	1	1						1			1			
Mouth.....	2	1		1		2								1	1	1				
Palate.....	1			1			1								1					
Tongue.....	13	10	1	2		11	2							2	5	4	2			
Tonsil.....	1	1				1	1								1					
Face.....	7	4	3			7	1								1	1	3	2		
Ear.....																				
Eye.....	1		1			1										1				
Larynx.....	4	4				3	1						1			2	1			
Neck.....	6	4		1	1	6							1	1	2	1	1			
Throat.....	1	1				1	1									1				
Thyroid.....	1				1	1							1							
<i>Digestive system:</i>																				
Intestines.....	50	17	28	1	4	41	9					1	3	5	15	13	7	6		
Liver.....	56	19	32	4	1	46	10					1	1	9	17	13	13	2		
Oesophagus.....	7	6	1			5	2							1	2	2		2		
Pancreas.....	5	3	1		1	4	1							3			1			
Stomach.....	92	37	32	12	11	70	22					1	4	16	23	24	18	6		
<i>Female genitals:</i>																				
Breast.....	43		38		5	29	14				1		4	12	8	12	6			
Clitoris.....	1		1			1											1			
Ovary.....	4		4			3	1							1	1	2				
Uterus.....	57		38		19	51	6						6	16	18	10	5	1	1	
<i>Unclassified:</i>																				
Abdomen.....	2		2			2											2			
Arm.....	1		1			1											1			
Axilla.....	2		1	1		2										1				
Bladder.....	17	8	8	1		13	4						1	1		5	9			
Bone.....	4	4				3	1							1			1			
Chest.....	1		1			1									1					
Generalized.....	3		3			3									2		1			
Glands.....	1	1				1											1			
Kidneys.....	5	4	1			5											2			
Lung.....	4	1	2		1	3	1						1			2	2			
Mediastinum.....	2	1	1			2														
Pelvis.....	1	1				1											1			
Penis.....	1			1		1								1						
Prostate.....	10	10				8	2							1		3	4	2		
Shoulder.....	1				1	1								1						
Spine.....	1			1		1								1			1			
Viscera.....	2	2				2										1	1			
Total.....	420	143	202	27	48	340	80				1	5	27	75	103	105	81	22	1	

TABLE 17.—Anterior poliomyelitis, acute: Deaths and death rates, cases and case rates, per 100,000 population, and percentage of deaths to cases, according to race, from 1912 to 1917, inclusive.

Year.	Deaths.			Death rates per 100,000.			Cases.			Case rate per 100,000 population.			Percentage of deaths to cases.		
	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.
1912.....		4	4		4.1	1.1	6	4	10	2.4	3.0	2.5		100.0	40.0
1913.....							4	1	5	1.6	1.0	1.4			
1914.....		1	1		1.0	.3	6	2	8	2.3	2.0	2.3		50.0	12.5
1915.....		2	2		2.1	.5	4	2	6	1.6	2.0	1.7		100.0	33.3
1912-1915 ¹		2	2		2.0	.6	5	2	7	2.0	2.0	2.0		100.0	28.6
1916.....	5	1	6	1.9	1.0	1.6	32	7	39	12.3	7.1	10.8	15.6	14.3	15.4
1917.....	2		2	.7		.5	4	2	6	1.4	1.9	1.5	50.0		33.3

¹ Annual average for 5-year period.

TABLE 17a.—*Anterior poliomyelitis, acute: Reported cases and deaths, by race and months, during calendar year 1917.*

Month.	White.		Colored.		Total.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
January.....						
February.....						
March.....						
April.....						
May.....						
June.....						
July.....						
August.....	3	2	1		4	2
September.....						
October.....	1		1		2	
November.....						
December.....						
Total.....	4	2	2		6	2

TABLE 17b.—*Anterior poliomyelitis, acute: Cases and deaths, with percentage of deaths to cases, at certain age periods, during the calendar year 1917.*

Age.	White.			Colored.			Total.		
	Cases.	Deaths.	Per cent of deaths to cases.	Cases.	Deaths.	Per cent of deaths to cases.	Cases.	Deaths.	Per cent of deaths to cases.
Under 1 year.....									
1 to 4 years.....	1	1	100.0	1			2	1	50.0
5 to 9 years.....	3	1	33.3	1			4	1	25.0
10 to 19 years.....									
20 to 29 years.....									
30 to 39 years.....									
40 to 49 years.....									
50 to 59 years.....									
60 to 69 years.....									
70 years and over.....									
Total.....	4	2	50.0	2	0		6	2	33.3

TABLE 18.—*Chicken pox: Deaths and death rates, cases and case rates, per 100,000 population, and percentage of deaths to cases, according to race, from 1907 to 1917, inclusive.*

Year.	Deaths.			Death rate per 100,000.			Cases reported.			Case rate per 100,000 population.			Percentage of fatal cases.		
	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.
1907-1910.....	0.25		0.25				478	103.2	581	196.8	106.3	171.0	0.05		0.4
1911-1915 ¹							726	174.0	900	284.5	177.0	254.6			
1911.....							411	160.0	571	160.6	162.2	161.3			
1912.....							689	183.0	872	271.0	195.6	247.0			
1913.....							906	186.0	1,092	355.1	189.5	309.1			
1914.....							830	201.0	1,031	324.1	205.9	291.5			
1915.....							795	138.0	933	307.0	139.7	260.8			
1916.....							918	221.0	1,139	351.9	222.9	316.4			
1917.....							1,070	180.0	1,250	364.7	175.4	315.7			

¹ Annual average for 5-year period.

TABLE 16.—Deaths in the District of Columbia from cancers and other malignant growths, arranged with reference to sex, race, marital relation, age, and organs involved, during the calendar year 1917.

Location.	White.			Colored.		Marital relation.			Age.											
	Total.	Male.	Female.	Male.	Female.	Married or widowed.	Single.	Unknown.	Under 5 years.	5 to 9 years.	10 to 19 years.	20 to 29 years.	30 to 39 years.	40 to 49 years.	50 to 59 years.	60 to 69 years.	70 to 79 years.	80 to 89 years.	90 years and over.	
<i>Head, face, neck, etc.:</i>																				
Jaw.....	8	3	1	1	3	7	1						2	3	1	1		1		
Lip.....	2	1	1			1	1							1				1		
Mouth.....	2	1		1		2									1	1				
Palate.....	1			1			1								1					
Tongue.....	13	10	1	2		11	2							2		5	4	2		
Tonsil.....	1	1					1								1					
Face.....	7	4	3			7	1								1	1	3	2		
Ear.....																				
Eye.....	1		1			1										1				
Larynx.....	4	4				3	1						1			2	1			
Neck.....	6	4		1	1	6							1	1	2		1	1		
Throat.....	1	1				1										1				
Thyroid.....	1				1	1							1							
<i>Digestive system:</i>																				
Intestines.....	50	17	28	1	4	41	9					1	3	5	15	13	7	6		
Liver.....	56	19	32	4	1	46	10					1	1	9	17	13	13	2		
Oesophagus.....	7	6	1			5	2								1	2				
Pancreas.....	5	3	1		1	4	1							3			1			
Stomach.....	92	37	32	12	11	70	22					1	4	16	23	24	18	6		
<i>Female genitals:</i>																				
Breast.....	43		38		5	29	14				1		4	12	8	12	6			
Clitoris.....	1		1			1											1			
Ovary.....	4		4			3	1							1	1	2				
Uterus.....	57		38		19	51	6						6	16	18	10	5	1	1	
<i>Unclassified:</i>																				
Abdomen.....	2		2			2											2			
Arm.....	1		1			1											1			
Axilla.....	2		1	1		2														
Bladder.....	17	8	8	1		13	4						1		2	5	9			
Bone.....	4	4				3	1					2		1			1			
Chest.....	1		1			1														
Generalized.....	3		3			3									2			1		
Glands.....	1	1				1														
Kidneys.....	5	4	1			5											1			
Lung.....	4	1	2		1	3	1						1			2	2			
Mediastinum.....	2	1	1			2							2							
Pelvis.....	1	1				1										2				
Penis.....	1			1		1														
Prostate.....	10	10				8	2							1			3	4	2	
Shoulder.....	1				1	1									1					
Spine.....	1			1		1											1			
Viscera.....	2	2				2										1	1			
Total.....	420	143	202	27	48	340	80				1	5	27	75	103	105	81	22	1	

TABLE 17.—Anterior poliomyelitis, acute: Deaths and death rates, cases and case rates, per 100,000 population, and percentage of deaths to cases, according to race, from 1912 to 1917, inclusive.

Year.	Deaths.			Death rates per 100,000.			Cases.			Case rate per 100,000 population.			Percentage of deaths to cases.		
	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.
1912.....		4	4		4.1	1.1	6	4	10	2.4	3.0	2.5		100.0	40.0
1913.....							4	1	5	1.6	1.0	1.4			
1914.....		1	1		1.0	.3	6	2	8	2.3	2.0	2.3		50.0	12.5
1915.....		2	2		2.1	.5	4	2	6	1.6	2.0	1.7		100.0	33.3
1912-1915 ¹		2	2		2.0	.6	5	2	7	2.0	2.0	2.0		100.0	28.6
1916.....	5	1	6	1.9	1.0	1.6	32	7	39	12.3	7.1	10.8	15.6	14.3	15.4
1917.....	2		2	.7		.5	4	2	6	1.4	1.9	1.5	50.0		33.3

¹ Annual average for 5-year period.

TABLE 17a.—*Anterior poliomyelitis, acute: Reported cases and deaths, by race and months, during calendar year 1917.*

Month.	White.		Colored.		Total.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
January.....						
February.....						
March.....						
April.....						
May.....						
June.....						
July.....						
August.....	3	2	1		4	2
September.....						
October.....	1		1		2	
November.....						
December.....						
Total.....	4	2	2		6	2

TABLE 17b.—*Anterior poliomyelitis, acute: Cases and deaths, with percentage of deaths to cases, at certain age periods, during the calendar year 1917.*

Age.	White.			Colored.			Total.		
	Cases.	Deaths.	Per cent of deaths to cases.	Cases.	Deaths.	Per cent of deaths to cases.	Cases.	Deaths.	Per cent of deaths to cases.
Under 1 year.....									
1 to 4 years.....	1	1	100.0	1			2	1	50.0
5 to 9 years.....	3	1	33.3	1			4	1	25.0
10 to 19 years.....									
20 to 29 years.....									
30 to 39 years.....									
40 to 49 years.....									
50 to 59 years.....									
60 to 69 years.....									
70 years and over.....									
Total.....	4	2	50.0	2	0		6	2	33.3

TABLE 18.—*Chicken pox: Deaths and death rates, cases and case rates, per 100,000 population, and percentage of deaths to cases, according to race, from 1907 to 1917, inclusive.*

Year.	Deaths.			Death rate per 100,000.			Cases reported.			Case rate per 100,000 population.			Percentage of fatal cases.		
	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.
1907-1911.....	0.25		0.25				478	193.2	581	196.8	106.3	171.0	0.05		0.4
1911-1915 ¹							726	174.0	900	284.5	177.0	254.6			
1911.....							411	160.0	571	160.6	162.2	161.3			
1912.....							689	183.0	872	271.0	195.6	247.0			
1913.....							906	186.0	1,092	355.1	189.5	399.1			
1914.....							830	201.0	1,031	324.1	205.9	291.5			
1915.....							795	138.0	933	307.0	139.7	260.8			
1916.....							918	221.0	1,139	351.9	222.9	316.4			
1917.....							1,070	180.0	1,250	364.7	175.4	315.7			

¹ Annual average for 5-year period.

TABLE 18a.—*Chicken pox: Reported cases and deaths, by race and months, during the calendar year 1917.*

Month.	White.		Colored.		Total.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
January.....	115	.....	3	.....	118	.....
February.....	116	.....	1	.....	117	.....
March.....	133	.....	8	.....	141	.....
April.....	105	.....	40	.....	145	.....
May.....	64	.....	38	.....	102	.....
June.....	57	.....	11	.....	68	.....
July.....	19	.....	5	.....	24	.....
August.....	8	.....	1	.....	9	.....
September.....	5	.....	2	.....	7	.....
October.....	47	.....	8	.....	55	.....
November.....	157	.....	19	.....	176	.....
December.....	244	.....	44	.....	288	.....
Total.....	1,070	0	180	0	1,250	0

TABLE 18b.—*Chicken pox: Cases and deaths, with percentage of deaths to cases, at certain age periods, during the calendar year 1917.*

Age.	White.			Colored.			Total.		
	Cases.	Deaths.	Per cent of deaths to cases.	Cases.	Deaths.	Per cent of deaths to cases.	Cases.	Deaths.	Per cent of deaths to cases.
Under 1 year.....	50	.....	.....	13	.....	.....	63	.....	.....
1 to 4 years.....	254	.....	.....	41	.....	.....	295	.....	.....
5 to 9 years.....	526	.....	.....	73	.....	.....	599	.....	.....
10 to 19 years.....	186	.....	.....	35	.....	.....	221	.....	.....
20 to 29 years.....	38	.....	.....	15	.....	.....	53	.....	.....
30 to 39 years.....	15	.....	.....	3	.....	.....	18	.....	.....
40 to 49 years.....	1	.....	.....	.....	.....	.....	1	.....	.....
50 to 59 years.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
60 to 69 years.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
70 years and over.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total.....	1,070	0	.....	180	.....	.....	1,250	.....	.....

TABLE 19.—*Diphtheria: Deaths and death rates, cases and case rates, per 100,000 population, and percentage of deaths to cases, according to race, from 1896 to 1917, inclusive.*

Year.	Deaths.			Death rates per 100,000.			Cases.			Case rate per 100,000 population.			Percentage of deaths to cases.		
	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.
1901-1905 ¹	37	17	54	17.0	18.0	17.0	.....	.....	.....	.....	.....	.....	.....	.....	.....
1905-1910 ¹	24	8	32	10.0	8.0	10.0	391	61	452	166.2	61.2	133.5	6.1	13.1	7.1
1911-1915 ¹	20	4	24	7.8	4.1	6.8	402	105	507	157.5	106.8	140.6	4.8	3.8	4.7
1911.....	16	3	19	6.0	3.0	5.0	428	90	518	167.3	91.7	146.3	3.7	3.3	3.7
1912.....	15	.....	15	6.0	.....	4.0	308	85	393	121.1	86.1	111.4	4.9	.....	3.8
1913.....	22	4	26	9.0	4.0	7.0	451	79	530	176.7	80.5	150.0	4.9	5.1	4.9
1914.....	24	7	31	9.0	7.0	9.0	367	85	452	143.3	87.1	127.8	6.5	8.2	6.9
1915.....	22	7	29	8.5	7.1	8.1	459	185	644	177.3	187.2	180.0	4.8	3.8	4.5
1916.....	26	7	33	9.9	7.1	9.2	484	163	647	185.5	164.4	179.7	5.4	4.3	5.1
1917.....	28	9	37	9.5	8.8	9.4	942	188	1,130	321.1	183.2	285.4	3.0	4.8	3.3

¹ Annual average for 5-year period.

TABLE 19a.—*Diphtheria: Reported cases and deaths, by race and months, during the calendar year 1917.*

Month.	White.		Colored.		Total.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
January.....	58	2	3	.....	61	2
February.....	48	3	.....	.....	48	3
March.....	140	5	2	.....	142	5
April.....	36	2	2	1	38	3
May.....	22	1	3	.....	25	1
June.....	18	1	.....	.....	18	1
July.....	15	1	.....	.....	16	1
August.....	8	.....	1	.....	9	.....
September.....	61	2	4	1	65	3
October.....	217	3	140	2	357	5
November.....	239	2	24	4	263	6
December.....	80	6	8	1	88	7
Total.....	942	28	188	9	1,130	37

TABLE 19b.—*Diphtheria: Cases and deaths, with percentage of deaths to cases, at certain age periods during the calendar year 1917.*

Age.	White.			Colored.			Total.		
	Cases.	Deaths.	Per cent of deaths to cases.	Cases.	Deaths.	Per cent of deaths to cases.	Cases.	Deaths.	Per cent of deaths to cases.
Under 1 year.....	19	1	5.3	3	2	66.6	22	3	13.6
1 to 4 years.....	147	8	5.4	15	3	20.0	162	11	6.8
5 to 9 years.....	381	11	2.9	80	3	3.7	461	14	3.0
10 to 19 years.....	272	5	1.8	75	1	1.3	347	6	1.7
20 to 29 years.....	69	1	1.4	6	.....	.....	75	1	1.3
30 to 39 years.....	30	1	3.3	4	.....	.....	34	1	2.9
40 to 49 years.....	12	1	8.3	4	.....	.....	16	1	6.2
50 to 59 years.....	8	.....	.....	1	.....	.....	9	.....	.....
60 to 69 years.....	3	.....	.....	.....	.....	.....	3	.....	.....
70 years and over.....	1	.....	.....	.....	.....	.....	1	.....	.....
Total.....	942	28	3.0	188	9	4.8	1,130	37	3.3

TABLE 20.—*Measles: Deaths and death rates, cases and case rates, per 100,000 population, and percentages of deaths to cases, according to race, from 1901 to 1917, inclusive.*

Year.	Deaths.			Death rates per 100,000.			Cases.			Case rate per 100,000 population.			Percentage of deaths to cases.		
	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.
1901-1905 ¹	10	5	15	5.0	5.0	5.0	.....	.....	.....	.....	.....	.....	.....	.....	.....
1906-1910 ¹	10	5	15	4.0	5.0	4.0	.....	.....	.....	.....	.....	.....	.....	.....	.....
1911-1915 ¹	8	3	11	3.1	3.1	3.1	2,188	549	2,737	857.5	558.6	774.4	0.4	0.5	0.4
1911.....	16	6	22	6.0	6.0	6.0	2,813	635	3,448	1,099.5	646.8	974.0	.6	.9	.6
1912.....	4	3	7	2.0	3.0	2.0	1,146	492	1,638	450.7	498.6	464.1	.3	.6	.4
1913.....	18	6	24	7.0	6.0	7.0	4,749	964	5,713	1,862.2	982.2	1,617.1	.4	.6	.4
1914.....	1	1	2	1.0	1.0	.3	673	274	947	262.8	280.7	267.8	.....	.4	.1
1915.....	4	1	5	1.5	1.0	1.4	1,557	383	1,940	601.3	387.6	542.3	.2	.3	.3
1916.....	4	2	6	1.5	2.0	1.7	2,376	266	2,642	910.9	268.3	733.9	.2	.8	.2
1917.....	12	2	14	4.1	2.0	3.5	3,129	678	3,807	1,066.7	660.7	961.5	.4	.3	.4

¹ Annual average for 5-year period.

REPORT OF THE HEALTH OFFICER.

TABLE 20a.—Measles: Reported cases and deaths, by race and by months, during the calendar year 1917.

Months.	White.		Colored.		Total.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
January.....	87		2		89	
February.....	199	1	8		207	1
March.....	466	1	51		517	1
April.....	654		156	1	810	1
May.....	600		252	1	852	1
June.....	449		123		572	
July.....	141		51		192	
August.....	23	1	10		34	1
September.....	21		4		25	
October.....	32	1	1		33	1
November.....	204	2	4		208	2
December.....	252	6	16		268	6
Total.....	3,129	12	678	2	3,807	14

TABLE 20b.—Measles. Cases and deaths, with percentage of deaths to cases, at certain age periods during the calendar year 1917.

Age.	White.			Colored.			Total.		
	Cases.	Deaths.	Per cent of deaths to cases.	Cases.	Deaths.	Per cent of deaths to cases.	Cases.	Deaths.	Per cent of deaths to cases.
Under 1 year.....	74	3	4.1	21			95	3	
1 to 4 years.....	901	1	.1	207	2	1.0	1,108	3	3.2
5 to 9 years.....	1,323			305			1,628		.3
10 to 19 years.....	338			100			438		
20 to 29 years.....	436	7	1.7	37			473	7	1.5
30 to 39 years.....	48	1	2.1	8			56	1	1.8
40 to 49 years.....	8						8		
50 to 59 years.....	1						1		
60 to 69 years.....									
70 years and over.....									
Total.....	3,129	12	.4	678	2	.3	3,807	14	.4

TABLE 21.—Meningitis, epidemic cerebrospinal: Deaths and death rates, cases and case rates, per 100,000 population, and percentage of deaths to cases, according to race, from 1901 to 1917, inclusive.

Year.	Deaths.			Death rates per 100,000.			Cases.			Case rate per 100,000 population.			Percentage of deaths to cases.		
	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.
1901-1905 ¹	6	4	10	2.8	4.3	3.2									
1906-1910 ¹	9	7	16	3.7	7.2	4.7									
1911-1915 ¹	3	1	4	1.2	1.0	1.1	4	2	6	1.6	2.0	1.7	75.0	50.0	66.6
1911.....	4		4	1.5		1.2	7	1	8	2.7	1.0	2.3	57.1		50.0
1912.....	4		4	1.6		1.1	4	3	7	1.6	3.0	2.0	75.0	33.3	57.1
1913.....	2	1	3	.8	1.0	.8	3	1	4	1.2	1.0	1.1	66.6	100.0	75.0
1914.....	2	3	5	.8	3.1	1.4	4	4	8	1.6	4.1	2.3	50.0	75.0	62.5
1915.....	5	1	6	1.9	1.0	1.7	4	1	5	1.5	1.0	1.4	100.0	100.0	100.0
1916.....	2	2	4	.8	2.0	1.1	4	2	6	1.5	2.0	1.7	50.0	100.0	66.6
1917.....	10	7	17	3.4	6.8	4.3	20	13	33	6.5	13.6	8.3	50.0	53.8	51.5

¹ Annual average for 5-year period.

TABLE 21a.—*Meningitis, epidemic cerebrospinal: Reported cases and deaths, by race and by months, during the calendar year 1917.*

Month.	White.		Colored.		Total.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
January.....						
February.....						
March.....	2		5	1	7	1
April.....	1	2	2	1	3	3
May.....	5	1	1	1	6	2
June.....	1	3	2	1	3	4
July.....			2	1	2	1
August.....			1	1	1	1
September.....	1				1	
October.....						
November.....	2	1			2	1
December.....	7	3	1	1	8	4
Total.....	19	10	14	7	33	17

TABLE 21b.—*Meningitis, epidemic cerebrospinal, cases and deaths, with percentage of deaths to cases, at certain age periods, during the calendar year 1917.*

Age.	White.			Colored.			Total.		
	Cases.	Deaths.	Per cent of deaths to cases.	Cases.	Deaths.	Per cent of deaths to cases.	Cases.	Deaths.	Per cent of deaths to cases.
Under 1 year.....				1	1	100.0	1	1	100.0
1 to 4 years.....	1	1	100.0				1	1	100.0
5 to 9 years.....	3	1	33.3	2	2	100.0	5	3	60.0
10 to 19 years.....	4	2	50.0	7	2	28.6	11	4	36.3
20 to 29 years.....	10	4	40.0	1			11	4	36.3
30 to 39 years.....	1	1	100.0	1	1	100.0	2	2	100.0
40 to 49 years.....	1	1	100.0	1	1	100.0	2	2	100.0
50 to 59 years.....									
60 to 69 years.....									
70 years and over.....									
Total.....	20	10	50.0	13	7	53.8	33	17	51.5

TABLE 22.—*Pellagra: Deaths and death rates, cases and case rates, per 100,000 population, and percentage of deaths to cases, according to race, from 1913 to 1917, inclusive.*

Year.	Deaths.			Death rates—per 100,000.			Cases.			Case rate per 100,000 population.			Percentage of deaths to cases.		
	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.
1913.....		4	4		4.1	1.1		4	4		4.1	1.1		100.0	100.0
1914.....	2	12	14	0.8	12.1	3.9	6	15	21	2.3	15.1	5.9	33.3	80.0	66.6
1915.....	5	11	16	1.9	11.1	4.5	6	16	22	2.3	16.2	6.1	33.3	68.7	72.7
1913-1915 ¹	2	9	11	.8	9.2	3.1	4	12	16	1.6	12.2	4.5	50.0	75.0	68.8
1916.....	8	1	9	3.1	1.0	2.5	11	5	16	4.2	5.0	4.4	72.8	20.0	56.3
1917.....	5	9	14	1.7	8.7	3.5	9	10	19	3.1	9.7	4.8	55.5	90.0	73.7

¹ Annual average for 5-year period.

TABLE 22a.—Pellagra: Reported cases and deaths, by race and by months, during the calendar year 1917.

Month.	White.		Colored.		Total.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
January.....			1		1	
February.....			1	1	1	1
March.....				1		1
April.....						
May.....			1	1	1	1
June.....	1		2	1	3	1
July.....	1	1	2	1	2	2
August.....	3	1		1	4	2
September.....	1	1	1	2	1	3
October.....	1	1			1	1
November.....	2	1		1	4	2
December.....			1		1	
Total.....	9	5	10	9	19	14

TABLE 22b.—Pellagra: Cases and deaths, with percentage of deaths to cases, at certain age periods, during the calendar year 1917.

Age.	White.			Colored.			Total.		
	Cases.	Deaths.	Per cent of deaths to cases.	Cases.	Deaths.	Per cent of deaths to cases.	Cases.	Deaths.	Per cent of deaths to cases.
Under 1 year.....									
1 to 4 years.....									
5 to 9 years.....									
10 to 19 years.....	1			1			2		
20 to 29 years.....	1	1	100.0	1	1	100.0	2	2	100.0
30 to 39 years.....	2	1	50.0	5	5	100.0	7	6	85.7
40 to 49 years.....	2	1	50.0	2	2	100.0	4	3	75.0
50 to 59 years.....	1			1	1	100.0	2	1	50.0
60 to 69 years.....	1	1	100.0				1	1	100.0
70 years and over.....	1	1	100.0				1	1	100.0
Total.....	9	5	55.5	10	9	90.0	19	14	73.7

TABLE 23.—Scarlet fever: Death and death rates, cases and case rates, per 100,000 population, and percentage of deaths to cases, according to race, from 1896 to 1917, inclusive.

Year.	Deaths.			Death rates per 100,000.			Cases.			Case rate per 100,000 population.			Percentage of deaths to cases.		
	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.
1901-1905 ¹	7	1.0	8	3.0	1.0	3.0	480	46	526	199.5	48.0	154.9	1.9	4.3	2.1
1906-1910 ¹	9	2.0	11	4.0	2.0	3.0	402	36	438	157.5	36.6	123.9	1.5	1.1	1.4
1911-1915 ¹	6	.4	6	2.3	.4	1.7	250	21	271	97.7	21.4	76.5	1.6	....	1.5
1911.....	4		4	2.0		1.0	234	25	259	92.0	25.3	73.4	1.7	....	1.5
1912.....	4		4	2.0		1.0	503	53	556	197.1	54.0	157.4	2.6	1.9	2.5
1913.....	13	1.0	14	5.0	1.0	4.0	294	17	311	114.8	17.4	87.9	.3	....	.3
1914.....	1		1	.4		.3	728	66	794	281.1	66.8	221.9	1.0	1.5	1.0
1915.....	7	1.0	8	2.7	1.0	2.2	474	56	530	181.7	56.5	147.2	1.1	1.8	1.1
1916.....	5	1.0	6	1.9	1.0	1.6	540	44	584	184.1	42.8	147.5	1.5	....	1.4
1917.....	8		8	2.7		2.0									

¹ Annual average for 5-year period.

TABLE 23a.—Scarlet fever: Reported cases and deaths, by race and months, during the calendar year 1917.

Month.	White.		Colored.		Total.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
January.....	50	.....	8	.....	58	.....
February.....	37	1	6	.....	43	1
March.....	47	1	7	.....	54	1
April.....	51	.....	6	.....	57	.....
May.....	26	2	3	.....	29	2
June.....	27	1	1	.....	28	1
July.....	13	.....	2	.....	15	.....
August.....	8	1	1	.....	9	1
September.....	38	1	1	.....	39	1
October.....	18	.....	3	.....	61	.....
November.....	67	1	3	.....	7	1
December.....	118	.....	3	.....	121	.....
Total.....	540	8	44	0	584	8

TABLE 23b.—Scarlet fever: Cases and deaths with percentage of deaths to cases, at certain age periods, during the calendar year 1917.

Age.	White.			Colored.			Total.		
	Cases.	Deaths.	Per cent of deaths to cases.	Cases.	Deaths.	Per cent of deaths to cases.	Cases.	Deaths.	Per cent of deaths to cases.
Under 1 year.....	3	.....	.....	.....	.....	.....	.....	3	.....
1 to 4 years.....	93	4	4.3	7	.....	.....	100	4	4.0
5 to 9 years.....	500	.....	.....	19	.....	.....	219	.....	.....
10 to 19 years.....	149	3	2.0	8	.....	.....	157	3	1.9
20 to 29 years.....	80	1	1.3	5	.....	.....	85	1	1.2
30 to 39 years.....	13	.....	.....	.....	.....	.....	13	.....	.....
40 to 49 years.....	2	.....	.....	5	.....	.....	7	.....	.....
50 to 59 years.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
60 to 69 years.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
70 years and over.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total.....	540	8	1.5	44	0	.....	584	8	1.4

TABLE 24.—Smallpox: Deaths and death rates, cases and case rates, per 100,000 population, and percentage of deaths to cases, according to race, from 1901 to 1917, inclusive.

Year.	Deaths.			Death rates per 100,000.			Cases.			Case rate per 100,000 of population.			Percentage of deaths to cases.		
	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.
1901-1905 ¹	1.0	2.0	3.0	0.5	2.1	1.0	.....	.....	.....	.....	.....	.....	.....	.....	.....
1906-1910 ¹.....	.4	.4	.8	.2	.4	.2	28	53	81	11.1	54.6	24.1	.....	.....	.....
1911-1915 ¹	19	51	70	7.4	51.9	19.8	.....	.....	.....
1911.....	23	13	36	9.0	13.2	10.2	.....	.....	.....
1912.....	2	7	9	.8	7.1	2.6	.....	.....	.....
1913.....	11	129	140	4.3	131.4	39.6	.....	.....	.....
1914.....	53	97	150	20.7	99.4	42.4	.....	.....	.....
1915.....	8	7	15	3.1	7.1	4.2	.....	.....	.....
1916.....	3	1	4	1.2	1.0	1.1	.....	.....	.....
1917.....	7	4	11	2.3	3.9	2.8	.....	.....	.....

¹ Annual average for 5-year period.

TABLE 24a.—*Smallpox: Reported cases and deaths, by race and by months, during the calendar year 1917.*

Month.	White.		Colored.		Total.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
January.....						
February.....						
March.....						
April.....			1		1	
May.....			2		2	
June.....						
July.....						
August.....						
September.....						
October.....						
November.....	2		1		3	
December.....	5				5	
Total.....	7	0	4	0	11	0

TABLE 24b.—*Smallpox: Cases and deaths, with percentage of deaths to cases, at certain age periods, during the calendar year 1917.*

Age.	White.			Colored.			Total.		
	Cases.	Deaths.	Per cent of deaths to cases.	Cases.	Deaths.	Per cent of deaths to cases.	Cases.	Deaths.	Per cent of deaths to cases.
Under 1 year.....									
1 to 4 years.....									
5 to 9 years.....									
10 to 19 years.....				2			2		
20 to 29 years.....	7			1			8		
30 to 39 years.....				1			1		
40 to 49 years.....									
50 to 59 years.....									
60 to 69 years.....									
70 years and over.....									
Total.....	7	0		4	0		11	0	

TABLE 25.—*Tuberculosis, reportable forms: Deaths and death rates, cases and case rates, per 100,000 population, and percentage of deaths to cases, according to race, from 1908 to 1917, inclusive.*

Year.	Deaths.			Death rate per 100,000.			Cases reported.			Case rate per 100,000 of population.			Percentage of fatal cases.		
	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.
1908-1910.....	277	392	669	112.8	402.4	195.1	570	637	1,207	231.7	654.1	351.5	48.6	61.6	55.5
1911-1915 ¹	318	429	747	124.6	436.5	211.3	567	587	1,154	222.2	597.3	326.5	56.1	73.1	64.7
1911.....	351	451	802	139.6	459.5	229.4	580	644	1,224	226.7	656.0	345.7	60.5	70.0	65.5
1912.....	326	464	790	128.2	470.2	223.8	577	635	1,212	223.0	643.5	343.4	56.5	73.1	65.2
1913.....	338	421	759	132.5	428.9	214.8	597	584	1,181	234.0	595.0	334.2	56.6	72.1	64.3
1914.....	263	389	652	102.3	395.0	183.4	529	528	1,057	206.6	540.9	298.9	49.7	73.7	61.7
1915.....	312	422	734	120.5	427.1	205.2	552	543	1,095	213.2	549.5	306.1	56.5	77.7	67.0
1916.....	297	397	694	113.9	400.4	192.8	527	534	1,061	202.0	538.6	294.7	56.4	74.3	65.4
1917.....	291	342	633	99.2	333.2	159.9	549	457	1,006	187.2	445.3	254.1	53.0	74.8	62.9

¹ Annual average for 5-year period.

TABLE 25a.—*Tuberculosis, reportable forms: Reported cases and deaths, by race and by months, during the calendar year 1917.*

Month.	White.		Colored.		Total.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
January.....	54	17	35	35	89	52
February.....	41	27	32	31	73	58
March.....	38	33	45	38	83	71
April.....	42	27	45	33	87	60
May.....	37	27	36	24	73	51
June.....	43	15	43	18	86	33
July.....	52	21	42	36	94	57
August.....	55	29	39	22	94	51
September.....	39	23	39	20	78	43
October.....	58	28	33	34	91	62
November.....	56	22	33	22	89	44
December.....	34	22	35	29	69	51
Total.....	549	291	457	342	1,006	633

TABLE 25b.—*Tuberculosis, reportable forms: Cases and deaths, with percentage of deaths to cases, at certain age periods, during the calendar year 1917.*

Age.	White.			Colored.			Total.		
	Cases.	Deaths.	Per cent of deaths to cases.	Cases.	Deaths.	Per cent of deaths to cases.	Cases.	Deaths.	Per cent of deaths to cases.
Under 1 year.....									
1 to 4 years.....	3	2	66.6	15	13	86.7	18	15	83.3
5 to 9 years.....	3	1	33.3	19	8	42.1	22	9	40.9
10 to 19 years.....	61	25	40.9	69	51	73.9	130	76	58.5
20 to 29 years.....	186	75	40.3	141	108	76.6	327	183	55.9
30 to 39 years.....	144	75	52.1	121	86	71.1	265	161	60.8
40 to 49 years.....	77	47	62.3	56	46	82.1	133	93	69.9
50 to 59 years.....	40	38	95.0	18	17	94.4	58	35	60.3
60 to 69 years.....	23	16	69.5	12	10	83.3	35	25	71.4
70 years and over.....	12	12	100.0	6	3	50.0	18	16	88.8
Total.....	549	291	53.0	457	342	74.8	1,006	633	62.9

TABLE 26.—*Tuberculosis, pulmonary: Reported cases and deaths occurring in the District of Columbia from 1901 to 1917, inclusive, arranged by race and by months and years.*

Year.	January.				February.				March.				April.			
	Cases.		Deaths.		Cases.		Deaths.		Cases.		Deaths.		Cases.		Deaths.	
	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.
1901-1905 ¹.....	...	...	33	43	...	...	31	41	...	...	35	38	...	...	36	42
1906-1910 ¹.....	...	...	28	40	...	...	32	35	...	...	32	45	...	...	30	44
1911-1915 ¹.....	...	...	25	33	...	...	24	33	...	...	28	40	...	...	29	33
1911.....	47	50	21	40	60	40	30	31	55	63	37	26	44	52	29	36
1912.....	52	46	30	35	41	51	27	34	62	67	26	49	52	51	32	32
1913.....	53	72	19	34	43	58	24	40	43	48	37	40	64	54	34	26
1914.....	37	38	29	23	37	31	18	34	48	52	27	41	40	39	18	27
1915.....	52	44	25	33	48	31	23	26	44	59	25	42	73	56	32	46
1916.....	33	43	17	20	37	46	31	39	50	40	28	30	53	42	28	37
1917.....	54	34	17	31	41	31	25	29	38	45	31	33	42	44	29	34

¹ Annual average for 4 years.

TABLE 26.—*Tuberculosis, pulmonary: Reported cases and deaths occurring in the District of Columbia from 1901 to 1917, inclusive, arranged by race and by months and years—Continued.*

Year.	May.				June.				July.				August.			
	Cases.		Deaths.		Cases.		Deaths.		Cases.		Deaths.		Cases.		Deaths.	
	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.
1901-1905 ¹.....	....	....	29	37	....	....	31	36	....	....	23	35	....	....	27	37
1906-1910 ¹.....	....	....	25	36	....	....	24	29	....	....	21	34	....	....	25	28
1911-1915 ¹	48	53	27	36	43	48	25	32	52	51	27	33	37	39	22	29
1911.....	61	56	28	30	46	56	26	32	53	62	29	40	36	40	26	26
1912.....	44	65	31	48	41	57	21	44	56	48	25	48	40	40	20	27
1913.....	44	53	32	40	49	52	26	30	69	51	23	30	38	35	20	34
1914.....	43	37	22	28	38	41	23	25	50	54	33	28	37	32	22	30
1915.....	50	51	21	34	43	36	28	28	33	42	28	34	34	49	23	28
1916.....	50	56	27	38	40	37	22	26	40	53	21	32	44	47	14	38
1917.....	37	36	24	18	43	42	15	19	52	42	17	35	55	39	26	20

Year.	September.				October.				November.				December.			
	Cases.		Deaths.		Cases.		Deaths.		Cases.		Deaths.		Cases.		Deaths.	
	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.
1901-1905 ¹.....	....	....	25	29	....	....	27	32	....	....	30	32	....	....	27	36
1906-1910 ¹.....	....	....	24	35	....	....	25	35	....	....	19	35	....	....	29	38
1911-1915 ¹	40	44	20	26	40	38	20	31	40	38	25	28	38	35	24	29
1911.....	36	55	26	30	34	43	27	37	39	46	23	35	34	51	25	34
1912.....	36	47	18	20	45	40	23	29	41	35	26	29	35	35	26	25
1913.....	40	35	23	24	39	33	16	25	50	36	24	25	29	19	31	13
1914.....	52	47	16	22	44	32	15	31	36	37	25	25	42	42	12	37
1915.....	36	38	19	35	39	42	20	32	33	39	26	29	50	30	26	35
1916.....	45	31	21	28	39	36	21	32	42	31	21	34	34	32	24	17
1917.....	39	39	20	21	58	33	25	32	55	32	23	22	34	35	22	26

SUMMARY.

Year.	Cases.		Deaths.		Total.	
	White.	Colored.	White.	Colored.	Cases.	Deaths.
1901-1905 ¹.....	.....	.....	354	438	.....	792
1906-1910 ¹.....	.....	.....	314	434	.....	748
1911-1915 ¹.....	.....	.....	299	386	1,086	685
1911.....	537	549	327	397	1,155	724
1912.....	545	582	305	420	1,127	725
1913.....	561	547	309	361	1,108	670
1914.....	504	482	260	351	986	611
1915.....	535	517	296	402	1,052	698
1916.....	507	275	494	371	1,001	646
1917.....	548	452	274	320	1,000	594

¹ Annual average for 4 years.

TABLE 27.—Typhoid fever: Deaths and death rates, cases and case rates, per 100,000 population, and percentage of deaths to cases, according to race, from 1901 to 1916, inclusive.

Year.	Deaths.			Death rates per 100,000.			Cases.			Case rate per 100,000.			Percentage of deaths to cases.		
	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.
1901-1905 ¹	99	64	163	45.0	68.0	52.0	660	237	897	274.3	244.9	265.9	11.0	19.6	13.0
1906-1910 ¹	73	46	119	30.0	48.0	35.0	660	237	897	134.4	139.4	135.0	9.6	19.0	12.3
1911-1915 ¹	33	26	59	12.9	26.4	16.7	343	137	480	171.1	186.1	178.6	9.4	14.3	10.6
1911.....	46	28	74	18.0	29.0	21.0	491	168	659	157.3	187.5	165.8	12.0	15.1	13.0
1912.....	49	29	78	19.0	29.0	22.0	400	185	585	135.6	117.2	130.5	9.2	18.3	11.3
1913.....	35	22	57	14.0	22.0	16.0	346	115	461	89.8	112.7	96.1	7.4	24.5	13.0
1914.....	17	28	45	7.0	29.0	13.0	230	109	339	96.5	110.3	100.3	8.0	20.2	11.7
1915.....	20	22	42	7.7	22.3	11.7	250	109	359	81.3	96.8	85.5	11.8	21.9	14.9
1916.....	25	21	46	9.6	21.2	12.7	212	96	308	73.6	118.0	85.0	7.0	27.9	14.5
1917.....	15	34	49	5.1	33.1	12.4	216	122	338						

¹ Annual average for 5-year period.

TABLE 27a.—Typhoid fever: Reported cases and deaths, by race and by months, during the calendar year 1917.

Month.	White.		Colored.		Total.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
January.....	7	.....	4	3	11	3
February.....	6	.....	1	.....	7	.....
March.....	9	.....	.....	.....	9	.....
April.....	10	1	3	3	13	4
May.....	7	.....	3	1	10	1
June.....	12	2	3	1	15	3
July.....	17	.....	9	2	26	2
August.....	39	6	29	4	68	10
September.....	45	2	36	10	81	12
October.....	28	2	26	6	54	8
November.....	26	2	6	2	32	4
December.....	10	.....	2	2	12	2
Total.....	216	15	122	34	338	49

TABLE 27b.—Typhoid fever: Cases and deaths, with percentage of deaths to cases at certain age periods, during the calendar year 1917.

Age.	White.			Colored.			Total.		
	Cases.	Deaths.	Per cent of deaths to cases.	Cases.	Deaths.	Per cent of deaths to cases.	Cases.	Deaths.	Per cent of deaths to cases.
Under 1 year.....	1	1	100.0	.....	.....	.....	1	1	100.0
1 to 4 years.....	11	2	18.2	5	4	80.0	16	6	37.5
5 to 9 years.....	22	.....	.....	10	.....	.....	32	.....	.....
10 to 19 years.....	55	3	5.4	43	8	18.6	98	11	11.2
20 to 29 years.....	61	1	1.6	37	9	24.3	98	10	10.2
30 to 39 years.....	32	4	12.5	13	6	46.1	45	10	22.2
40 to 49 years.....	22	2	9.1	11	5	45.4	33	7	21.2
50 to 59 years.....	6	2	33.3	2	1	50.0	8	3	37.5
60 to 69 years.....	6	.....	.....	1	1	100.0	7	1	14.3
70 years and over.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total.....	216	15	7.0	122	34	27.9	338	49	14.5

TABLE 28.—*Whooping cough: Deaths and death rates, cases and case rates, per 100,000 population, and percentages of deaths to cases, according to race, from 1896 to 1917, inclusive.*

Year.	Deaths.			Death rates per 100,000.			Cases.			Case rate per 100,000 population.			Percentage of deaths to cases.		
	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.
1901-1905 ¹	27	50	77	12.0	53.0	25.0	-----	-----	-----	-----	-----	-----	-----	-----	-----
1906-1910 ¹	15	23	38	6.0	24.0	11.0	-----	-----	-----	-----	-----	-----	-----	-----	-----
1911-1915 ¹	10	19	29	3.9	19.3	8.2	525	197	722	205.8	200.4	204.3	1.9	9.6	4.0
1911.....	15	13	28	6.0	13.0	8.0	462	139	601	180.6	141.6	169.8	3.2	9.4	4.6
1912.....	20	44	64	8.0	45.0	18.0	1,088	390	1,478	427.9	395.2	418.8	1.8	11.3	4.3
1913.....	3	14	17	1.0	14.0	5.0	162	157	319	63.5	160.0	90.3	1.9	8.9	5.3
1914.....	5	13	18	2.0	13.0	5.0	424	113	537	165.6	115.8	151.8	1.2	11.5	3.4
1915.....	9	10	19	3.5	10.1	5.3	489	185	674	188.8	187.3	188.4	1.8	5.4	2.8
1916.....	17	24	41	6.5	24.2	11.4	1,612	612	2,224	617.9	617.3	617.8	1.1	3.9	1.8
1917.....	8	10	18	2.8	9.7	4.6	885	128	1,013	301.7	124.7	255.8	0.9	7.8	1.7

¹ Annual average for 4 years.TABLE 28a.—*Whooping cough: Reported cases and deaths, by race and by months, during the calendar year 1917.*

Month.	White.		Colored.		Total.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
January.....	49	-----	23	1	72	1
February.....	89	1	8	1	97	2
March.....	95	-----	15	2	110	2
April.....	123	1	15	-----	138	1
May.....	135	2	9	-----	148	2
June.....	115	-----	10	-----	125	-----
July.....	110	1	12	3	122	4
August.....	75	1	11	-----	86	1
September.....	19	2	5	2	24	4
October.....	22	-----	10	-----	32	-----
November.....	33	-----	5	1	38	1
December.....	20	-----	5	-----	25	-----
Total.....	885	8	128	10	1,013	18

TABLE 28b.—*Whooping cough: Cases and deaths, with percentage of deaths to cases at certain age periods, during the calendar year, 1917.*

Age.	White.			Colored.			Total.		
	Cases.	Deaths.	Per cent of deaths to cases.	Cases.	Deaths.	Per cent of deaths to cases.	Cases.	Deaths.	Per cent of deaths to cases.
Under 1 year.....	62	2	3.2	10	3	30.0	72	5	6.9
1 to 4 years.....	380	6	1.6	56	7	1.3	435	13	2.9
5 to 9 years.....	371	-----	-----	50	-----	-----	421	-----	-----
10 to 19 years.....	50	-----	-----	10	-----	-----	60	-----	-----
20 to 29 years.....	10	-----	-----	2	-----	-----	12	-----	-----
30 to 39 years.....	12	-----	-----	-----	-----	-----	12	-----	-----
40 to 49 years.....	-----	-----	-----	-----	-----	-----	-----	-----	-----
50 to 59 years.....	-----	-----	-----	-----	-----	-----	-----	-----	-----
60 to 69 years.....	-----	-----	-----	-----	-----	-----	-----	-----	-----
70 years and over.....	-----	-----	-----	-----	-----	-----	-----	-----	-----
Total.....	885	8	.9	128	10	7.8	1,012	18	1.7

TABLE 29.—*Population and deaths, by race, in the District of Columbia from pneumonia, bronchitis, and congestion of the lungs, and from said diseases taken together, and showing also the death rate per 100,000 of each of such classes of deaths.*

Calendar year.	Population.		Pneumonia.				Bronchitis.			
			White.		Colored.		White.		Colored.	
	White.	Colored.	Deaths.	Death rate per 100,000.	Deaths.	Death rate per 100,000.	Deaths.	Death rate per 100,000.	Deaths.	Death rate per 100,000.
1901-1905 ¹	217,606	93,719	219	101	288	307	55	25	80	85
1906-1910 ¹	240,244	96,696	246	102	304	314	61	25	67	69
1911-1915 ¹	255,360	98,453	262	103	285	289	51	20	42	43
1911.....	251,409	98,159	278	110	310	316	49	19	38	39
1912.....	254,260	98,676	251	99	274	278	50	20	45	46
1913.....	255,153	98,144	207	81	277	282	58	23	41	42
1914.....	256,049	97,615	242	95	226	232	46	18	50	51
1915.....	258,940	98,809	333	129	338	342	52	20	35	36
1916.....	260,854	99,143	305	117	299	302	39	15	38	38
1917.....	293,329	102,618	330	113	306	298	40	14	19	18

Calendar year.	Population.		Congestion of lungs.				Pneumonia, bronchitis, and congestion of lungs.			
			White.		Colored.		White.		Colored.	
	White.	Colored.	Deaths.	Death rate per 100,000.	Deaths.	Death rate per 100,000.	Deaths.	Death rate per 100,000.	Deaths.	Death rate per 100,000.
1901-1905 ¹	217,606	93,719	33	15	25	27	307	141	393	419
1906-1910 ¹	240,244	96,696	27	11	13	13	334	139	384	397
1911-1915 ¹	255,360	98,453	13	5	7	7	326	128	334	339
1911.....	251,409	98,159	19	8	11	11	346	137	359	366
1912.....	254,260	98,676	22	9	9	9	323	127	328	332
1913.....	255,153	98,144	9	4	12	12	274	107	330	336
1914.....	256,049	97,615	9	4	3	3	297	116	279	286
1915.....	258,940	98,809	5	2	3	3	390	151	376	381
1916.....	260,854	99,143	5	2	4	4	349	134	341	344
1917.....	293,329	102,618	11	4	2	2	381	130	327	319

¹ Annual average for 5-year period.TABLE 30.—*Births (stillbirths excluded) reported during the calendar year 1917, arranged by months, by race and sex, by number of children born, by legitimacy, and according to professional attendance at time of birth.*

Month.	Total.	White.		Colored.		Twins.		Illegitimate.		Attended by physicians.		Attended by midwives.	
		Male.	Female.	Male.	Female.	White.	Colored.	White.	Colored.	White.	Colored.	White.	Colored.
January.....	646	232	204	103	107	6	2	12	48	410	189	26	21
February.....	563	196	194	73	100	2	4	8	28	369	155	21	18
March.....	653	241	213	100	99	8	6	11	41	433	180	21	19
April.....	655	246	202	101	106	4	6	9	46	422	183	26	24
May.....	577	215	199	78	85	6	2	16	27	392	147	22	16
June.....	592	217	209	86	80	6	6	13	35	407	145	19	21
July.....	647	231	222	93	101	-----	10	11	39	432	183	21	11
August.....	689	246	241	93	109	12	8	11	26	457	180	28	20
September.....	637	246	209	90	92	10	6	6	30	427	160	28	22
October.....	626	225	222	83	96	17	2	11	53	417	162	30	17
November.....	593	216	204	84	89	4	-----	4	28	403	152	17	21
December.....	641	247	214	87	93	12	2	8	38	449	155	12	25
Total.....	7,519	2,758	2,533	1,071	1,157	87	54	120	419	5,018	1,993	273	235

¹ One set triplets.

TABLE 31.—*Reported births (stillbirths excluded) in institutions in the District of Columbia, by race and place of birth, during calendar year 1917.*

Hospital.	White.	Colored.	All.
Columbia.....	576	263	839
Garfield.....	197	97	294
Georgetown University.....	280	24	304
Sibley.....	643	1	644
George Washington.....	184	.....	184
Providence.....	280	.....	280
Homeopathic.....	77	132	209
Freedmen's.....	3	368	371
Casualty.....	16	58	74
Emergency.....	13	.....	13
Blue Plains.....	1	3	4
St. Ann's Asylum.....	29	.....	29
Washington Asylum.....	8	23	31
Florence Crittenden.....	31	.....	31
Walter Reed.....	2	.....	2
Mission Hospital.....	4	.....	4
Washington Sanitarium.....	2	.....	2
St. Elizabeth's.....	.....	1	1
House of Mercy.....	1	.....	1
	2,347	970	3,317

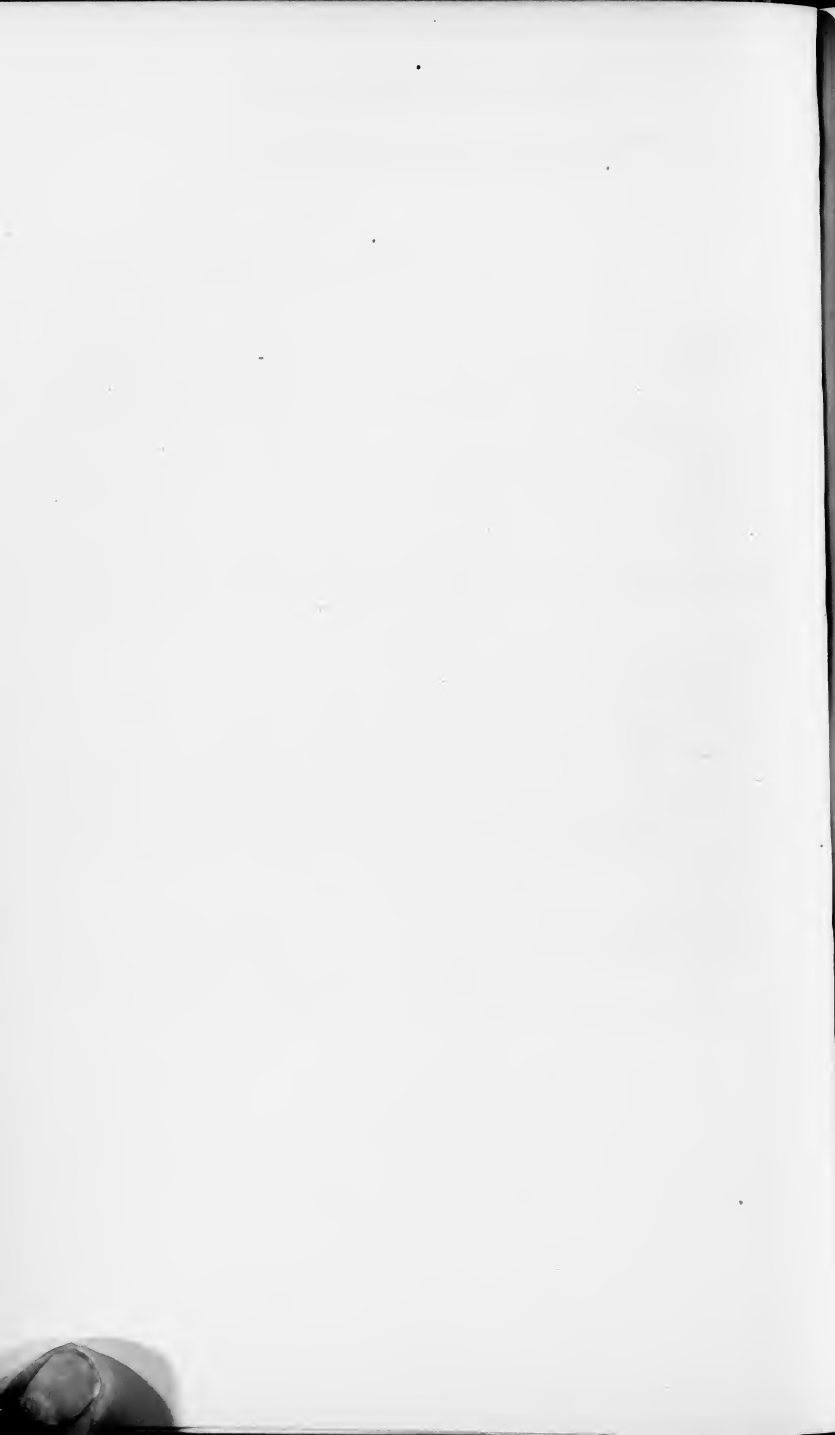
TABLE 32.—*Births (stillbirths excluded) reported in the District of Columbia, arranged by race and by legitimacy and illegitimacy, and number of multiple births for the years mentioned.*

Calendar years.	Legitimate.			Illegitimate.			Total.			Twins.			Triplets.		
	White.	Colored.	Total.	White.	Colored.	Total.	White.	Colored.	All.	White.	Colored.	Total.	White.	Colored.	Total.
1896-1900 ¹	2,712	1,380	4,092	86	491	577	2,798	1,871	4,669	71	42	113	1	.....	1
1901-1905 ¹	3,335	1,499	4,834	95	481	576	3,430	1,980	5,409	72	52	124	1	2	3
1906-1910 ¹	4,533	1,786	6,319	99	482	581	4,632	2,268	6,900	84	46	130	1	1	2
1911-1915 ¹	4,690	1,769	6,459	104	464	568	4,794	2,234	7,028	78	52	130	1	1	2
1916.....	4,961	1,813	6,774	81	403	484	5,042	2,216	7,258	83	45	128	.....	.....	.....
1917.....	5,171	1,809	6,980	120	419	539	5,291	2,228	7,519	84	54	138	1	.....	1

¹ Annual average for 5-year period.

TABLE 33.—Stillbirths reported in the District of Columbia during the calendar year 1917, by race and sex, and certain data relative thereto.

	White.			Colored.			Unknown race.			Total.
	Male.	Female.	Sex un-known.	Male.	Female.	Sex un-known.	Male.	Female.	Sex un-known.	
Legitimacy:										
Legitimate.....	117	74	.....	67	69	.....	.....	.....	.....	327
Illegitimate.....	4	4	.....	27	21	.....	.....	.....	.....	56
Unknown.....	1	.....	.....	.....	.....	.....	7	9	24	41
Total.....	122	78	.....	94	90	.....	7	9	24	424
Period uterogestation:										
4 months and under.....	7	3	.....	5	3	.....	2	2	21	43
5 months.....	3	2	.....	2	3	.....	.....	4	.....	14
6 months.....	9	14	.....	12	9	.....	1	1	1	47
7 months.....	18	6	.....	21	17	.....	.....	.....	.....	62
8 months.....	25	15	.....	17	16	.....	2	.....	1	76
9 months.....	25	21	.....	21	32	.....	2	2	1	104
10 months.....	35	17	.....	16	10	.....	.....	.....	.....	78
Total.....	122	78	.....	94	90	.....	7	9	24	424
Reported by physicians.....	120	77	.....	89	86	.....	.....	.....	.....	372
Reported by coroner.....	2	1	.....	5	4	.....	7	9	24	52
Total.....	122	78	.....	94	90	.....	7	9	24	424
Causes:										
Placenta previa.....	4	2	.....	1	1	.....	.....	.....	.....	8
Malposition.....	5	6	.....	.....	.....	.....	.....	.....	.....	11
Prematurity.....	4	2	.....	2	3	.....	.....	.....	.....	11
Congenital debility.....	3	.....	.....	.....	.....	.....	.....	.....	.....	3
Syphilis.....	2	.....	.....	8	8	.....	.....	.....	.....	18
Accident to mother.....	1	1	.....	2	3	.....	.....	.....	.....	7
Placental separation.....	2	2	.....	2	.....	.....	.....	.....	.....	6
Placental disease.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1
Illness of mother.....	8	10	.....	2	3	.....	.....	.....	.....	23
Prolapsed cord.....	15	3	.....	2	3	.....	.....	.....	.....	23
Difficult labor.....	4	6	.....	.....	1	.....	.....	.....	.....	11
Hydrocephalus.....	3	.....	.....	1	.....	.....	.....	.....	.....	4
Asphyxia.....	1	2	.....	2	1	.....	.....	.....	.....	6
Cord around neck.....	1	.....	.....	.....	1	.....	.....	.....	.....	2
Contracted pelvis.....	.....	1	.....	.....	.....	.....	.....	.....	.....	2
Forceps compression.....	.....	2	.....	.....	.....	.....	.....	.....	.....	1
Knotted cord.....	1	1	.....	.....	.....	.....	.....	.....	.....	1
Version.....	.....	1	.....	.....	.....	.....	.....	.....	.....	1
Atelectasis.....	.....	.....	.....	1	.....	.....	.....	.....	.....	1
Fright.....	.....	.....	.....	1	.....	.....	.....	.....	.....	1
Malformation.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Fractured skull (intrauterine).....	.....	.....	.....	1	1	.....	.....	.....	.....	2
Rupture of uterus.....	.....	.....	.....	1	.....	.....	.....	.....	.....	1
Overwork of mother.....	.....	.....	.....	.....	3	.....	.....	.....	.....	3
Unknown.....	67	39	.....	67	62	.....	7	9	24	275
Total.....	122	78	.....	94	90	.....	7	9	24	424



INDEX.

A.

Abortion:	
Deaths—	Page.
Age periods.....	121, 132
Marital relations and nativity.....	144
Months, by.....	101, 111
Deaths and death rates, by race and sex.....	91
Abortion, criminal:	
Deaths—	
Age periods.....	125, 135
Marital relations and nativity.....	147
Months, by.....	105, 115
Deaths and death rates, by race and sex.....	95
Abscess:	
Acute—	
Deaths—	
Age periods.....	122, 133
Marital relations and nativity.....	145
Months, by.....	101, 111
Deaths and death rates, by race and sex.....	91
Cerebral—	
Deaths—	
Age periods.....	118, 128
Marital relations and nativity.....	140
Months, by.....	98, 108
Deaths and death rates, by race and sex.....	87
Hepatic—	
Deaths—	
Age periods.....	121-131
Marital relations and nativity.....	143
Months, by.....	100, 110
Deaths and death rates, by race and sex.....	90
Ischio-rectal—	
Deaths—	
Age periods.....	120, 131
Marital relations and nativity.....	143
Months, by.....	100, 110
Deaths and death rates, by race and sex.....	90
Kidneys, of—	
Deaths—	
Age periods.....	121, 131
Marital relations and nativity.....	143
Months, by.....	100, 110
Deaths and death rates, by race and sex.....	91
Ovary, of—	
Deaths—	
Age periods.....	121, 132
Marital relations and nativity.....	144
Months, by.....	101, 111
Deaths and death rates, by race and sex.....	91
Pelvis—	
Deaths—	
Age periods.....	121, 132
Marital relations and nativity.....	143
Months, by.....	101, 111
Deaths and death rates, by race and sex.....	91

Abscess—Continued.

Pulmonary—

Deaths—	Page.
Age periods.....	120, 130
Marital relations and nativity.....	142
Months, by.....	100, 110
Deaths and death rates, by race and sex.....	89

Rectal—

Deaths—	
Age periods.....	120, 131
Marital relations and nativity.....	143
Months, by.....	100, 110
Deaths and death rates, by race and sex.....	90

Retropharyngeal—

Deaths—	
Age periods.....	120, 130
Marital relations and nativity.....	142
Months, by.....	100, 110
Deaths and death rates, by race and sex.....	89

Subphrenic—

Deaths—	
Age periods.....	121, 131
Marital relations and nativity.....	143
Months, by.....	101, 111
Deaths and death rates, by race and sex.....	90

Urethral—

Deaths—	
Age periods.....	121, 131
Marital relations and nativity.....	143
Months, by.....	101, 111
Deaths and death rates, by race and sex.....	91

Vulva, of—

Deaths—	
Age periods.....	121, 132
Marital relations and nativity.....	144
Months, by.....	100, 111
Deaths and death rates, by race and sex.....	91

Accidents, labor, of:

Deaths—	
Age periods.....	121, 132
Marital relations and nativity.....	144
Months, by.....	101, 111
Deaths and death rates, by race and sex.....	91

Accidents and negligence: Daily mortality, by race, and corresponding daily meteorological data.....

	150, 173
--	----------

Acidosis:

Deaths—	
Age periods.....	118, 128
Marital relations and nativity.....	140
Months, by.....	98, 108
Deaths and death rates, by race and sex.....	87

Acteclasia:

Deaths—	
Age periods.....	123, 134
Marital relations and nativity.....	146
Months, by.....	103, 113

Actinomycosis:

Deaths—	
Age periods.....	116, 126
Marital relations and nativity.....	138
Months, by.....	96, 106
Deaths and death rates, by race and sex.....	85

Addison's disease:

Deaths—	
Age periods.....	118, 128
Marital relations and nativity.....	140
Months, by.....	98, 108
Deaths and death rates, by race and sex.....	87

Adenitis:	
Deaths—	Page.
Age periods.....	119, 129
Marital relations and nativity.....	141
Months, by.....	99, 109
Deaths and death rates, by race and sex.....	89
Adenoma, prostatic:	
Deaths—	
Age periods.....	121, 131
Marital relations and nativity.....	143
Months, by.....	101, 111
Deaths and death rates, by race and sex.....	91
Administration: Bureau of, cost of.....	14, 23
Age average of decedents: By race, sex, and age groups, 1901 to 1917, inclusive.....	174, 175
Alcoholism:	
Deaths—	
Age periods.....	118, 128
Marital relations and nativity.....	140
Months, by.....	98, 108
Deaths and death rates, by race and sex.....	87
Ambulance service:	
Cost of.....	67, 72
Work of.....	18, 72
Amendments to laws and regulations.....	25
Anemia:	
Deaths—	
Age periods.....	118, 128
Marital relations and nativity.....	140
Months, by.....	98, 108
Deaths and death rates, by race and sex.....	87
Aneurism:	
Deaths—	
Age periods.....	119, 129
Marital relations and nativity.....	141
Months, by.....	99, 109
Deaths and death rates, by race and sex.....	89
Deaths and relative mortality, by race, 1901 to 1917, inclusive.....	183
Angina pectoris:	
Deaths—	
Age periods.....	119, 129
Marital relations and nativity.....	141
Months, by.....	99, 109
Deaths and death rates, by race and sex.....	89
Deaths and relative mortality, by race, 1901 to 1917, inclusive.....	183
Animals:	
Communicable diseases of.....	36
Impounded and disposed of, table, 1918.....	60
Antitoxin, diphtheria, preparation of.....	50
Aortitis:	
Deaths—	
Age periods.....	119, 129
Marital relations and nativity.....	141
Months, by.....	99, 109
Deaths and death rates, by race and sex.....	89
Arthritis:	
Deaths—	
Age periods.....	122, 133
Marital relations and nativity.....	145
Months, by.....	102, 112
Deaths and death rates, by race and sex.....	92
Apoplexy:	
Deaths from.....	12
Deaths and relative mortality, by race, 1901 to 1917, inclusive.....	183
Appendicitis:	
Deaths—	
Age periods.....	120, 131
Marital relations and nativity.....	143
Months, by.....	100, 110
Deaths and death rates, by race and sex.....	90

	Page.
Appendix A: Report of chief medical inspector.....	29
Appendix B: Report of the chief food inspector.....	35
Appendix C: Report of chemist.....	39
Appendix D: Report of bacteriologist and serologist.....	47
Appendix E: Report of chief sanitary inspector.....	53
Appendix F: Miscellaneous tables.....	57
Appendix G: Physicians, registered list of.....	75, 80
Appendix H: Chief of Bureau of Vital Statistics, report of.....	81-84
Appendix I: Vital statistics tables.....	85-201
Arteriosclerosis:	
Deaths from.....	12
Age periods.....	119, 129
Marital relations and nativity.....	141
Months, by.....	99, 109
Deaths and death rates, by race and sex.....	89
Deaths and relative mortality by race, 1901 to 1917, inclusive.....	183
Asphyxia neonatorum:	
Deaths—	
Age periods.....	123, 134
Marital relations and nativity.....	146
Months, by.....	103, 113
Deaths and death rates, by race and sex.....	93
Asphyxiation, accidental, deaths:	
Age periods.....	124, 135
Marital relations and nativity.....	93
Months, by.....	104, 114
Deaths and death rates, by race and sex.....	94
Assessment system, abatement of nuisances under.....	54
Asthma:	
Deaths—	
Age periods.....	120, 130
Marital relations and nativity.....	142
Months, by.....	100, 109
Deaths and death rates, by race and sex.....	89
Asylums:	
Human beings, for, location.....	74
Inspected.....	53
Licensed, 1917-18.....	22
Atelectasis: Deaths and death rates, by race and sex.....	93
Atrophy:	
Infantile—	
Deaths—	
Age periods.....	123, 133
Months, by.....	103, 113
Deaths and death rates, by race and sex.....	93
Liver, of—	
Deaths—	
Age periods.....	120, 131
Marital relations and nativity.....	143
Months, by.....	100, 110
Deaths and death rates, by race and sex.....	90
Progressive, muscular—	
Deaths—	
Age periods.....	118, 128
Marital relations and nativity.....	140
Months, by.....	98, 108
Deaths and death rates, by race and sex.....	88
Autointoxication:	
Deaths—	
Age periods.....	120-131
Marital relations and nativity.....	143
Months, by.....	100, 109
Intestinal, deaths and death rates, by race and sex.....	90

Automobile, accident:

	Page.
Deaths—	
Age periods.....	124, 135
Marital relations and nativity.....	147
Months, by.....	104, 114
Deaths and death rates, by race and sex.....	94

B.

Baby farms: Inspected.....	58
Bacteriologist, report of.....	47
Bacteriological laboratory, cost of maintenance.....	16
Bacteriological diagnoses.....	48
Diphtheria specimens examined.....	47
Service, cost.....	67, 72
Sputum specimens examined.....	47
Work done in.....	20, 47, 51
Table of.....	51
Bakeries, inspected.....	17, 58
Barber shops:	
Inspected.....	54
Registered.....	22
Beverages, analysis of.....	44
Births:	
By race, sex, and by months, during 1917.....	199
Deaths under 1 year of age, and death rates based on reported births, by race, 1901-1917, inclusive.....	179, 180
Illegitimate.....	9
Ages of mothers.....	10
Birth, injury during:	
Deaths—	
Age periods.....	123, 134
Marital relations and nativity.....	146
Months, by.....	103, 113
Deaths and death rates, by race and sex.....	93
In institutions.....	11
By race and sex and by place of birth, during 1917.....	199
Midwives, reported by.....	9
Reported, 1917.....	8
Twins and triplets, by race, 1896 to 1917, inclusive.....	200
Births and birth rates, comparative table.....	7
Birth rates.....	7
Brain:	
Organic disease—	
Deaths—	
Age periods.....	119, 129
Marital relations and nativity.....	141
Months by.....	99, 109
Deaths and death rates by race and sex.....	88
Softening of, deaths and relative mortality, by race, 1901 to 1917, inclusive.....	185
Tumor of—	
Deaths—	
Age periods.....	119, 129
Marital relations and nativity.....	141
Months by.....	99, 109
Deaths and death rates, by race and sex.....	88
Bread, samples of, analysis.....	41
Bright's disease:	
Deaths from.....	12
Deaths and relative mortality, by race, 1901 to 1917, inclusive.....	183
Bronchitis:	
Acute—	
Deaths—	
Age periods.....	119, 130
Marital relations and nativity.....	141
Months, by.....	99, 109
Deaths and death rates, by race and sex.....	89

Bronchitis—Continued.

All forms—	
Daily mortality, by race, and corresponding daily meteorological data.....	Page. 150-173
Deaths from.....	12
Capillary—	
Deaths—	
Age periods.....	119, 130
Marital relations and nativity.....	141
Months, by.....	99, 109
Deaths and death rates, by race and sex.....	89
Chronic—	
Deaths—	
Age periods.....	119, 130
Marital relations and nativity.....	142
Months, by.....	99, 109
Deaths and death rates, by race and sex.....	89
Deaths and death rates, by race—	
Also taken together with pneumonia and congestion of the lungs from 1901 to 1917, inclusive.....	199
Bubble fountains, inspection of.....	48
Bureau of Preventable Diseases, work done in.....	14
Bursitis:	
Deaths—	
Age periods.....	122, 133
Marital relations and nativity.....	145
Months, by.....	110, 112
Deaths and death rates, by race and sex.....	92
Butter, samples of, analysis.....	42
Burns and scalds, conflagration:	
Deaths—	
Age periods.....	124, 135
Marital relations and nativity.....	147
Months, by.....	104, 114
Deaths and death rates, by race and sex.....	93

C.

Cancer:

Deaths—	
Age periods.....	117, 127
Marital relations and nativity.....	139
Months, by.....	97, 107
Deaths and death rates, by race and sex.....	86, 87
Deaths from, 1901 to 1917, inclusive.....	185
Carbolic acid, accidental poisoning:	
Deaths—	
Age periods.....	123, 134
Marital relations and nativity.....	146
Months, by.....	103, 113
Deaths and death rates, by race and sex.....	93
Carbuncle:	
Deaths—	
Age periods.....	122, 133
Marital relations and nativity.....	145
Months, by.....	102, 112
Deaths and death rates, by race and sex.....	91
Cardiac fibrillation:	
Deaths—	
Age periods.....	119, 129
Marital relations and nativity.....	141
Months, by.....	99, 109
Deaths and death rates, by race and sex.....	89
Cattle:	
Inspected.....	19
Tuberculin tested, 1917, 1918.....	35

Cave-in, accidental:	
Deaths—	Page.
Age periods.....	124, 135
Marital relations and nativity.....	147
Months, by.....	104, 114
Deaths and death rates, by race and sex.....	94
Cellulitis:	
Deaths—	
Age periods.....	122, 133
Marital relations and nativity.....	145
Months, by.....	102, 112
Deaths and death rates, by race and sex.....	91
Cemeteries:	
Inspected.....	58
List of.....	74
Cerebral softening:	
Deaths—	
Age periods.....	118, 129
Marital relations and nativity.....	141
Months, by.....	98, 108
Deaths and death rates, by race and sex.....	88
Cesarean delivery:	
Deaths—	
Age periods.....	121, 132
Marital relations and nativity.....	144
Months, by.....	101, 111
Deaths and death rates, by race and sex.....	91
Chemical analyses for police department.....	43
Chemist, report of.....	39-45
Chemical laboratory:	
Annual and daily average work in.....	70
Cost of service.....	66, 70
Examinations for police department.....	43, 63
Examinations made in.....	41
Work done in.....	41-44
Work done in, table.....	61-63
Chicken pox:	
Cases and case rates, deaths and death rates, fatal cases, percentage, 1907 to 1917.....	187
Cases and deaths reported—	
By age periods, calendar year 1917.....	188
By race and by months, calendar year 1917.....	188
Hospitalization of.....	33
Chief food inspector, report of.....	35, 37
Chief medical inspector, report of.....	29-33
Chief sanitary inspector, report of.....	53-56
Cirrhosis, hepatic:	
Deaths—	
Age periods.....	120, 131
Marital relations and nativity.....	143
Months, by.....	100, 110
Deaths and death rates, by race and sex.....	90
Cirrhosis of liver, deaths and relative mortality by race, 1901 to 1917, inclusive..	183
Cholecystitis:	
Deaths—	
Age periods.....	121, 131
Marital relations and nativity.....	143
Months, by.....	100, 110
Deaths and death rates, by race and sex.....	90
Cholelithiasis:	
Deaths—	
Age periods.....	120, 131
Marital relations and nativity.....	143
Months, by.....	100, 110
Deaths and death rates, by race and sex.....	90

Chorea, Huntington's:	
Deaths—	Page.
Age periods.....	119, 129
Marital relations and nativity.....	141
Months, by.....	99, 109
Deaths and death rates, by race and sex.....	88
Clerical Service:	
Annual and daily average work in.....	68
Cost of.....	66, 68
Commission houses inspected.....	17
Commissioners' orders.....	25
Complaints received during year.....	24
Condemnations:	
Food, other than marine products.....	59
Marine and food products.....	58
Confectioneries inspected.....	17
Congestion of lungs, deaths and death rates by race, also taken together with pneumonia and bronchitis, from 1901 to 1917.....	199
Contagious-disease service:	
Annual and daily average work in.....	71
Cost of.....	66, 71
Contents, table of.....	5
Convulsions:	
Deaths—	
Age periods.....	119, 129
Marital relations and nativity.....	141
Months by.....	99, 108
Deaths and death rates, by race and sex.....	88
Correspondence, letters received and sent.....	23
Cranioectomy:	
Deaths—	
Age periods.....	119, 129
Marital relations and nativity.....	141
Months, by.....	99, 109
Deaths and death rates, by race and sex.....	88
Cream:	
Bacteriological examination of.....	49
Chemical examinations of, comparative table, 1912-1918.....	20
Samples below standard and percentages.....	40
Samples collected.....	41
Cremation, progress of, 1901-1917.....	13
Crematorium, public:	
Service, cost of.....	16, 67, 73
Work done in.....	16, 73
Crematory, public:	
Bodies cremated.....	13, 32
Cost for maintenance.....	32
Cost per body.....	33
Cutting instruments, suicide:	
Deaths—	
Age periods.....	123, 134
Marital relations and nativity.....	147
Months, by.....	103, 113
Deaths and death rates, by race and sex.....	93
Cystitis:	
Deaths—	
Age periods.....	121, 131
Marital relations and nativity.....	143
Months, by.....	101, 111
Deaths and death rates, by race and sex.....	91
D.	
Dairies:	
Inspected.....	19, 35
Licensed.....	19, 64
Number.....	19, 64

Dairy farms:	Page.
Inspected, 1917, 1918.....	19
Location, 1917, 1918.....	19
Registered, 1917, 1918.....	19
Dead bodies, disposal of, method.....	13, 178
Deaths:	
Age, 70 years and over, 1917.....	177
Average age of decedents, arranged according to age, sex, and race, 1901, 1917, inclusive.....	174, 175
Average, by age and race.....	82
Cancer, from, 1901 to 1917, inclusive.....	185
Disease, groups, by.....	83
External causes:	
Age periods.....	123, 134
Marital relations and nativity.....	146
Months, by.....	104, 114
Deaths and death rates, by race and sex.....	95
From cancers and other malignant growths, arranged with reference to sex, marital relations, age, and organs involved.....	186
Important diseases, from.....	12
Legal executions.....	136
Relative mortality from certain specified diseases, by race, 1901 to 1917, inclusive.....	183, 185
Reportable diseases, from, 1915, 1916, 1917.....	12
Reportable diseases, from, by race, January to June, 1917, 1918.....	84
Tumors, from, 1901 to 1917, inclusive.....	185
Under 5 years, by race, 1901 to 1917, inclusive.....	180
Under 1 year, by age, race, sex, and months.....	176, 177
Under 1 year, by race, sex, and months, 1901 to 1917, inclusive.....	179, 180
Under 1 year of age and death rates based on reported births, by race, 1901 to 1917, inclusive.....	181
Workhouse, in District of Columbia.....	13
Deaths and death rates:	
By race and months, 1901 to 1917, inclusive.....	181, 182
Comparative table.....	7
Death rates.....	7
Death rates, 1915, 1916, 1917, important diseases, from.....	12
Dentists, registration of.....	23
Diabetes:	
Deaths from.....	12
Age periods.....	117, 128
Marital relations and nativity.....	140
Months, by.....	97, 107
Deaths and death rates, by race and sex.....	87
Deaths, and relative mortality by race, 1901 to 1917, inclusive.....	183
Diaphragm, spasm of:	
Deaths—	
Age periods.....	119, 129
Marital relations and nativity.....	141
Months, by.....	99, 109
Deaths and death rates, by race and sex.....	88
Diarrhea:	
Over 2 years—	
Deaths from.....	12
Age periods.....	120, 131
Marital relations and nativity.....	142
Months, by.....	100, 110
Deaths and death rates, by race and sex.....	89
Under 2 years—	
Deaths from.....	12
Age periods.....	120, 131
Marital relations and nativity.....	142
Months, by.....	100, 109
Deaths and death rates, by race and sex.....	89
Diarrhea and enteritis:	
Two years and over, deaths and relative mortality by race, 1901 to 1917, inclusive.....	183
Under 2 years, deaths and relative mortality by race, 1901 to 1917, inclusive.....	183

Diarrheal diseases:	Page.
Daily mortality, by race, and corresponding daily meteorological data..	150, 173
Diphtheria:	
Daily mortality, by race, and corresponding daily meteorological data..	150, 173
Cases and case rates, 1901 to 1918, deaths and death rates, 1901 to 1918,	
fatal cases, percentage, 1901 to 1918.....	188
Cases and deaths from, January to June, 1918.....	30
Cases and deaths reported, by age periods, calendar year 1917.....	189
Cases and deaths reported, by race and by months, calendar year 1917....	189
Cultures examined.....	50
Hospitalization of cases of.....	33
In institutions.....	29
Outbreaks, location of.....	29
Diphtheria and croup:	
Deaths—	
Age periods.....	116, 126
Marital relations and nativity.....	138
Months, by.....	96, 106
Deaths and death rates, by race and sex.....	85
Diseases:	
Of animals.....	36
Of bones and organs of locomotion—	
Deaths—	
Age periods.....	122, 133
Marital relations and nativity.....	145
Months, by.....	102, 112
Deaths and death rates, by race and sex.....	91
Skin and adnexa, of—	
Deaths—	
Age periods.....	122, 133
Marital relations and nativity.....	145
Months, by.....	102, 112
Deaths and death rates, by race and sex.....	91
Reportable, 1916, 1917.....	12
Reportable, 1917, 1918.....	14
Disinfecting service:	
Cost of.....	15, 66, 72
Work done in.....	15, 32, 72
Dispensary, establishment of.....	16
Dogs:	
Impounded and disposed of, table.....	60
Commissioners' orders in re muzzling of.....	14, 25
Drowning:	
Accidental—	
Deaths—	
Age periods.....	124, 135
Marital relations and nativity.....	147
Months, by.....	104, 114
Deaths and death rates, by race and sex.....	94
Suicide, by—	
Deaths—	
Age periods.....	123, 134
Marital relations and nativity.....	146
Months, by.....	103, 113
Deaths and death rates, by race and sex.....	93
Drugs, chemical analyses of samples.....	44
Dysentery:	
Deaths—	
Age periods.....	116, 126
Marital relations and nativity.....	138
Months, by.....	96, 106
Deaths and death rates, by race and sex.....	85
Deaths and relative mortality by race, 1901 to 1917, inclusive.....	184

E.

Ectopic gestation:

Deaths—	Page.
Age periods.....	121, 132
Marital relations and nativity.....	144
Months, by.....	101, 111
Deaths and death rates, by race and sex.....	91

Eczema:

Deaths—	
Age periods.....	122, 133
Marital relations and nativity.....	145
Months, by.....	102, 112
Deaths and death rates, by race and sex.....	92

Eight-hour law for female service:

Annual and daily average work in.....	69
Cost of.....	66, 69

Eight-hour female labor law:

Cost of service.....	23, 66, 69
Prosecution under.....	23, 56
Work done under.....	23, 54, 69

Electric shock:

Deaths—	
Age periods.....	125, 135
Marital relations and nativity.....	147
Months, by.....	104, 114
Deaths and death rates, by race and sex.....	94

Elevator accidents:

Deaths—	
Age periods.....	124, 135
Marital relations and nativity.....	147
Months, by.....	104, 114
Deaths and death rates, by race and sex.....	94

Embolism:

Deaths—	
Age periods.....	119, 129
Marital relations and nativity.....	141
Months, by.....	99, 109
Deaths and death rates, by race and sex.....	89

Embolism, puerperal:

Deaths—	
Age periods.....	122, 132
Marital relations and nativity.....	144
Months, by.....	101, 112
Deaths and death rates, by race and sex.....	91
Employees, roster of.....	3

Empyema:

Deaths—	
Age periods.....	119, 130
Marital relations and nativity.....	142
Months, by.....	99, 109
Deaths and death rates, by race and sex.....	89, 91

Endocarditis:

Deaths—	
Age periods.....	119, 129
Marital relations and nativity.....	141
Months, by.....	99, 109
Deaths and death rates, by race and sex.....	89
Deaths from.....	12

Epilepsy:

Deaths—	
Age periods.....	119, 129
Marital relations and nativity.....	141
Months, by.....	93, 108, 99, 109
Deaths and death rates, by race and sex.....	88
Deaths, and relative mortality by race, 1901 to 1917, inclusive.....	184

Erysipelas:

	Page.
Deaths—	
Age periods.....	116, 126
Marital relations and nativity.....	138
Months, by.....	96, 106
Deaths and death rates, by race and sex.....	85

F.

Falls, accidental:

Deaths—	
Age periods.....	124, 135
Marital relations and nativity.....	147
Months, by.....	104, 114
Deaths and death rates, by race and sex.....	94

Fecal impaction:

Deaths—	
Age periods.....	120, 131
Marital relations and nativity.....	143
Months, by.....	100, 110
Deaths and death rates, by race and sex.....	90

Fistula:

Biliary—	
Deaths—	
Age periods.....	120, 131
Marital relations and nativity.....	143
Months, by.....	100, 110
Deaths and death rates, by race and sex.....	90

Perineal—

Deaths—	
Age periods.....	121, 131
Marital relations and nativity.....	143
Months, by.....	101, 111
Deaths and death rates, by race and sex.....	91

Urinary—

Deaths—	
Age periods.....	121, 131
Marital relations and nativity.....	143
Months, by.....	101, 111
Deaths and death rates, by race and sex.....	91

Firearms:

Accidental—

Deaths—	
Age periods.....	124, 135
Marital relations and nativity.....	147
Months, by.....	104, 114
Deaths and death rates, by race and sex.....	94

Suicide, by—

Deaths—	
Age periods.....	123, 134
Marital relations and nativity.....	147
Months, by.....	103, 113
Deaths and death rates, by race and sex.....	93

Food:

Analyses of.....	41
Condemned, table of.....	59-60
Establishments registered.....	17
Inspection, cost of service.....	17, 66, 70
Prosecutions for violation of laws.....	18
Food Inspection Bureau.....	17

Food Inspection Service:

Annual and daily average work in.....	70
Cost of.....	66, 70

Fowl and pigeon houses, registered.....

22

Fractures:

Deaths—	
Age periods.....	125, 136
Marital relations and nativity.....	148
Months, by.....	105, 115
Deaths and death rates, by race and sex.....	95

Frostbite:

Deaths—	Page.
Age periods.....	124, 135
Marital relations and nativity.....	147
Months, by.....	104, 114
Deaths and death rates, by race and sex.....	94

G.

Gangrene:

Pulmonary—	
Deaths—	
Age periods.....	120, 130
Marital relations and nativity.....	142
Months, by.....	100, 110
Deaths and death rates, by race and sex.....	89

Extremity of senile testicle—

Deaths—	
Age periods.....	122, 133
Marital relations and nativity.....	145
Months, by.....	102, 112
Deaths and death rates, by race and sex.....	91

Garfield Memorial Hospital, patients treated in and cost to District of Columbia. 15, 32

Gastritis:

Deaths—	
Age periods.....	120, 130
Marital relations and nativity.....	142
Months, by.....	100, 110
Deaths and death rates, by race and sex.....	89
Deaths, and relative mortality by race, 1901 to 1917, inclusive.....	184

Glass, presence in candy and food..... 43

Goitre:

Deaths—	
Age periods.....	119, 129
Marital relations and nativity.....	141
Months, by.....	99, 109
Deaths and death rates, by race and sex.....	89

Exophthalmic—

Deaths—	
Age periods.....	118, 128
Marital relations and nativity.....	140
Months, by.....	98, 107
Deaths and death rates, by race and sex.....	87

Gonorrhea, diagnosis of..... 49

Gonorrheal infection:

Deaths—	
Age periods.....	117, 127
Marital relations and nativity.....	139
Months, by.....	96, 106

Grippe:

Deaths—	
Age periods.....	116, 126
Marital relations and nativity.....	138
Months, by.....	96, 106
Deaths and death rates, by race and sex.....	85
Deaths and relative mortality by race, 1901 to 1917, inclusive.....	184
Deaths from.....	12

Grocery stores: Inspection of..... 17, 36

Growths:

Malignant—	
Deaths and relative mortality by race, 1901 to 1917, inclusive.....	184
Deaths from.....	12

H.

Haematuria:

Deaths—	
Age periods.....	121, 131
Marital relations and nativity.....	143
Months, by.....	101, 111
Deaths and death rates, by race and sex.....	90

Haemophilia, three months and over:

	Page.
Deaths—	
Age periods.....	118, 128
Marital relations and nativity.....	140
Months, by.....	98, 108
Deaths and death rates, by race and sex.....	87

Hanging, suicide:

Deaths—	
Age periods.....	123, 134
Marital relations and nativity.....	146
Months, by.....	103, 113
Deaths and death rates, by race and sex.....	93

Health officer, report of.....	7-26
--------------------------------	------

Health, public, state of, 1916.....	7
-------------------------------------	---

Heart, organic disease:

Deaths—	
Age periods.....	119, 129
Marital relations and nativity.....	141
Months, by.....	99, 109
Deaths and death rates, by race and sex.....	89
Deaths and relative mortality by race, 1901 to 1917, inclusive.....	184
Deaths from.....	12

Hemorrhage:

Cerebral—	
Deaths—	
Age periods.....	118, 129
Marital relations and nativity.....	141
Months, by.....	98, 108
Deaths and death rates, by race and sex.....	88

Nasal—

Deaths—	
Age periods.....	119, 129
Marital relations and nativity.....	141
Months, by.....	99, 109
Deaths and death rates, by race and sex.....	89

Post partum—

Deaths—	
Age periods.....	121, 132
Marital relations and nativity.....	144
Months, by.....	101, 111
Deaths and death rates, by race and sex.....	91

Hepatic cirrhosis:

Deaths—	
Age periods.....	120, 131
Marital relations and nativity.....	143
Months, by.....	100, 110
Deaths and death rates, by race and sex.....	90

Hernia:

Deaths—	
Age periods.....	120, 131
Marital relations and nativity.....	143
Months, by.....	100, 110
Deaths and death rates, by race and sex.....	90

Homicides:

Daily mortality, by race, and corresponding daily meteorological data..	150-173
Deaths—	
Age periods.....	125, 135
Marital relations and nativity.....	147
Months, by.....	104, 115
Deaths and death rates, by race and sex.....	94

Horse, kicked by, deaths and death rates, by race and sex.....	94
--	----

Hospitals:

Animals, for, location.....	74
Deaths in.....	177, 178
Human beings, for, location.....	74
Inspected.....	53
Private, licenses of.....	22

	Page.
Hotel kitchens, sanitary inspection of.....	54
House to house inspections.....	53-69
Hucksters, storeroom inspected.....	17
Hydrocephalus:	
Deaths—	
Age periods.....	123, 133
Marital relations and nativity.....	145, 151
Months, by.....	102, 112
Deaths and death rates, by race and sex.....	92
Hydronephrosis:	
Deaths—	
Age periods.....	121, 131
Marital relations and nativity.....	143
Months, by.....	101, 111
Deaths and death rates, by race and sex.....	90
Hyperthyroidism:	
Deaths—	
Age periods.....	119, 129
Marital relations and nativity.....	141
Months, by.....	99, 109
Deaths and death rates, by race and sex.....	89
Hypertrophy, prostatic:	
Deaths—	
Age periods.....	121, 131
Marital relations and nativity.....	143
Months, by.....	101, 111
Deaths and death rates, by race and sex.....	91

I.

Icterus neonatorum:	
Deaths—	
Age periods.....	123, 133
Marital relations and nativity.....	145
Months, by.....	103, 113
Deaths and death rates, by race and sex.....	93
Idiocy:	
Deaths—	
Age periods.....	119, 129
Marital relations and nativity.....	141
Months, by.....	99, 109
Deaths and death rates, by race and sex.....	88
Ill-defined diseases:	
Deaths—	
Age periods.....	125, 136
Marital relations and nativity.....	148
Months, by.....	105, 115
Deaths and death rates, by race and sex.....	95
Ileus:	
Deaths—	
Age periods.....	120, 131
Marital relations and nativity.....	143
Months, by.....	100, 110
Deaths and death rates, by race and sex.....	90
Illuminating gas:	
Accidental—	
Deaths—	
Age periods.....	124, 135
Marital relations and nativity.....	147
Months, by.....	104, 114
Deaths and death rates, by race and sex.....	94
Suicides—	
Deaths—	
Age periods.....	123, 124
Marital relations and nativity.....	146
Months, by.....	103, 113
Deaths and death rates, by race and sex.....	93

	Page.
Illegitimacy, comparative table.....	9
Illegitimate births, by race, reported 1896 to 1917, inclusive.....	200
Inanition:	
Deaths—	
Age periods.....	123, 133
Months, by.....	103, 113
Deaths and death rates, by race and sex.....	93
Indigestion:	
Deaths—	
Age periods.....	120, 131
Marital relations and nativity.....	142
Months, by.....	100, 110
Deaths and death rates, by race and sex.....	89
Infant mortality:	
Causes of death, by race, under 1 year.....	83
Deaths and death rates, under 1 year, comparative table.....	82
Infantile paralysis, prevalence of, 1917.....	12
Infection, congenital:	
Deaths—	
Age periods.....	118, 128
Marital relations and nativity.....	140
Months, by.....	98, 108
Deaths and death rates, by race and sex.....	87
Influenza:	
Deaths—	
Age periods.....	116, 126
Marital relations and nativity.....	138
Months, by.....	96, 106
Deaths and death rates, by race and sex.....	85
Insanity:	
Deaths and relative mortality, by race, 1901 to 1917, inclusive.....	184
Puerperal—	
Deaths—	
Age periods.....	122, 132
Marital relations and nativity.....	144
Months, by.....	102, 112
Deaths and death rates, by race and sex.....	91
Institutions, public, deaths in.....	177, 178
Interments, places of, and disposition of remains in the District of Columbia, calendar year 1917.....	178
Intestinal obstruction:	
Deaths—	
Age periods.....	120, 131
Marital relations and nativity.....	143
Months, by.....	100, 110
Deaths and death rates, by race and sex.....	90
Isolating wards:	
Garfield Memorial Hospital—	
Cases treated.....	32
Expense of service in.....	15
Providence Hospital, cases treated.....	32
Expense of service in.....	15
J.	
Jumping from high places, suicide:	
Deaths—	
Age periods.....	123, 134
Marital relations and nativity.....	147
Months, by.....	103, 113
Deaths and death rates, by race and sex.....	98
K.	
Kidney, abscess of:	
Deaths—	
Age periods.....	121, 131
Marital relations and nativity.....	143
Months, by.....	100, 110
Deaths and death rates, by race and sex.....	91

Kicked by horse:

	Page.
Deaths—	
Age periods.....	124, 135
Marital relations and nativity.....	147
Months, by.....	104, 114

I.

Labor, difficult:

Deaths—	
Age periods.....	123, 134
Marital relations and nativity.....	146
Months, by.....	103, 113
Deaths and death rates, by race and sex.....	93
Lard, analysis of.....	42
Laryngitis, acute:	
Deaths—	
Age periods.....	119, 129
Marital relations and nativity.....	141
Months, by.....	99, 109
Deaths and death rates, by race and sex.....	89
Laundries: Inspected.....	54
Laundries: Registered.....	22
Lead poisoning: Deaths and death rates, by race and sex.....	87
Legislation, new.....	25
Legitimate births, by race, reported from 1896 to 1917.....	200
Leper Hospital, cost of.....	66, 72
Leprosy, prevalence of.....	31
Lightning, struck by:	
Deaths—	
Age periods.....	124, 135
Marital relations and nativity.....	147
Months, by.....	104, 114
Deaths and death rates, by race and sex.....	

Liver:

Atrophy of—	
Deaths—	
Age periods.....	120, 131
Marital relations and nativity.....	143
Months, by.....	100, 110
Deaths and death rates of, by race and sex.....	90
Tumor of—	
Deaths—	
Age periods.....	120, 131
Marital relations and nativity.....	143
Months, by.....	100, 110
Deaths and death rates, by race and sex.....	91

Locomotor ataxia:

Deaths—	
Age periods.....	118, 128
Marital relations and nativity.....	140
Months, by.....	98, 108
Deaths and death rates, by race and sex.....	87
Lodging houses registered.....	22
Lodging and tenement houses inspected.....	53

Lukemia:

Deaths—	
Age periods.....	118, 128
Marital relations and nativity.....	140
Months, by.....	98, 108
Deaths and death rates, by race and sex.....	87
Lunch rooms inspected.....	17

M.

Malaria:

Deaths—	
Age periods.....	116, 126
Marital relations and nativity.....	138
Months, by.....	96, 106
Deaths and death rates, by race and sex.....	85

	Page.
Malarial fever: Deaths, and relative mortality, by race, 1901 to 1917, inclusive.....	184
Malformations:	
Deaths—	
Age periods.....	123, 133
Marital relations and nativity.....	145
Months, by.....	102, 112
Deaths and death rates, by race and sex.....	92
Malignant growths, deaths, and relative mortality, by race, 1901 to 1917, inclusive.....	184
Malpresentations:	
Deaths—	
Age periods.....	123, 134
Marital relations and nativity.....	146
Months, by.....	103, 113
Deaths and death rates, by race and sex.....	93
Marasmus:	
Deaths—	
Age periods.....	123, 133
Marital relations and nativity.....	145
Months, by.....	103, 113
Deaths and death rates, by race and sex.....	93
Deaths from (under 1 year).....	12
Marine products, condemnations, inspections, table.....	58
Markets, inspections of.....	17, 36
Mastoiditis:	
Deaths—	
Age periods.....	122, 133
Marital relations and nativity.....	145
Months, by.....	102, 112
Deaths and death rates, by race and sex.....	92
Measles:	
Cases and case rates, 1901 to 1917; deaths and death rates, fatal cases, percentage.....	189
Cases and deaths from, in institutions.....	31
Cases and deaths reported, by age periods, calendar year 1917.....	190
Cases and deaths reported, by race and by months, calendar year 1917.....	190
Daily mortality, by race, with corresponding daily meteorological data ..	150-173
Deaths—	
Age periods.....	116, 126
Marital relations and nativity.....	138
Months, by.....	96, 106
Deaths and death rates, by race and sex.....	85
Hospitalization of cases.....	33
Medical inspection of schools.....	16
Melaena:	
Deaths—	
Age periods.....	123, 134
Marital relations and nativity.....	146
Months, by.....	103, 113
Deaths and death rates, by race and sex.....	93
Meningitis:	
Cerebrospinal, examination of smears.....	50
Daily mortality, by race, and corresponding daily meteorological data ..	150-173
Epidemic cerebrospinal—	
Cases and case rates, 1901 to 1917; deaths and death rates, 1901 to 1917; fatal cases, percentage, 1901 to 1917.....	190
Cases, and deaths from.....	31
Cases and deaths reported, by age periods, calendar year 1917.....	190
Cases and deaths reported, by race and by months, calendar year 1917.....	191
Deaths—	
Age periods.....	118, 128
Marital relations and nativity.....	140
Months, by.....	98, 108
Deaths and death rates, by race and sex.....	87
Hospitalization of.....	33

Meningitis—Continued.

Simple—

Deaths—

Age periods.....	118, 128
Marital relations and nativity.....	140
Months, by.....	98, 108
Deaths and death rates, by race and sex.....	87

Mental alienation:

Deaths—

Age periods.....	118, 129
Marital relations and nativity.....	141
Months, by.....	98, 108
Deaths and death rates, by race and sex.....	89

Messenger service, cost of.....	66, 68
---------------------------------	--------

Midwives: Registration of.....	23
--------------------------------	----

Milk:

Average grades.....	63
Bacteriological examination of.....	23, 47, 49
Chemical examinations of, comparative table, 1912-1918.....	20
Dealers, list of.....	64
Grading of.....	20
Pasteurized.....	64
Samples collected.....	39
Samples below standard and percentages.....	40

Miscellaneous tables.....	57-74
---------------------------	-------

Morbidity and mortality, by race, January to June, 1917, 1918.....	84
--	----

Mortality:

Age, in relation to.....	82
By age periods.....	11, 179, 180
By race, comparative table.....	11, 81
Causes of deaths, 1916, 1917.....	83
Daily, arranged with reference to race, certain causes of death, and corresponding daily meteorological data.....	150-173
General.....	11
Infant, under one year.....	82

Myelitis transverse:

Deaths—

Age periods.....	118, 128
Marital relations and nativity.....	140
Months, by.....	98, 108
Deaths and death rates, by race and sex.....	88

Myocarditis:

Deaths—

Age periods.....	119, 129
Marital relations and nativity.....	141
Months, by.....	99, 109
Deaths and death rates, by race and sex.....	89
Deaths from.....	12

N.

Nativity by years and by race.....	8
------------------------------------	---

Nephritis:

Acute, deaths from.....	12
-------------------------	----

Acute, chronic—

Deaths—

Age periods.....	121, 131
Marital relations and nativity.....	143
Months, by.....	101, 111
Deaths and death rates, by race and sex.....	90

Puerperal—

Deaths—

Age periods.....	122, 132
Marital relations and nativity.....	144
Months, by.....	101, 112
Deaths and death rates, by race and sex.....	91

Nephrolithiasis:

Deaths—	Page.
Age periods.....	121, 131
Marital relations and nativity.....	143
Months, by.....	101, 111
Deaths and death rates, by race and sex.....	91

Neurasthenia:

Deaths—	
Age periods.....	119, 129
Marital relations and nativity.....	141
Months, by.....	99, 109
Deaths and death rates, by race and sex.....	88

Neuritis:

Deaths—	
Age periods.....	119, 129
Marital relations and nativity.....	141
Months, by.....	99, 109
Deaths and death rates, by race and sex.....	88

Nuisances:

Prosecutions for maintaining, reported.....	21
Reported, table of.....	57

O.

Occoquan Workhouse, deaths at.....	12
Orders, commissioners'.....	25
Officers, roster of.....	3

Osteomyelitis:

Deaths—	
Age periods.....	122, 123
Marital relations and nativity.....	145
Months, by.....	102, 112
Deaths and death rates, by race and sex.....	92

Otitis, media:

Deaths—	
Age periods.....	119, 129
Marital relations and nativity.....	141
Months, by.....	99, 109
Deaths and death rates, by race and sex.....	88

Ovale:

Deaths—	
Age periods.....	123, 133
Marital relations and nativity.....	145
Months, by.....	102, 112
Deaths and death rates, by race and sex.....	92

Ovarian abscess:

Deaths—	
Age periods.....	122, 132
Marital relations and nativity.....	144
Months, by.....	101, 111
Deaths and death rates, by race and sex.....	91

Ovarian cysts:

Deaths—	
Age periods.....	121, 132
Marital relations and nativity.....	143
Months, by.....	101, 111
Deaths and death rates, by race and sex.....	91

Ovarian tumor:

Deaths—	
Age periods.....	121, 122
Marital relations and nativity.....	143
Months, by.....	101, 111
Deaths and death rates, by race and sex.....	91

Overtime, sanitary inspectors.....	56
------------------------------------	----

P.

Palate, cleft:		
Deaths—		Page.
Age periods.....	123, 133	
Marital relations and nativity.....	145	
Months, by.....	102, 112	
Deaths and death rates, by race and sex.....	92	
Pancreas, tumor of:		
Deaths—		
Age periods.....	121, 131	
Marital relations and nativity.....	143	
Months, by.....	101, 111	
Deaths and death rates, by race and sex.....	90	
Pancreatitis:		
Deaths—		
Age periods.....	121, 131	
Marital relations and nativity.....	143	
Months, by.....	101, 111	
Deaths and death rates, by race and sex.....	90	
Papilloma:		
Deaths—		
Age periods.....	119, 129	
Marital relations and nativity.....	141	
Months, by.....	99, 109	
Deaths and death rates, by race and sex.....	89	
Paralysis:		
Agitans—		
Deaths—		
Age periods.....	118, 128	
Marital relations and nativity.....	140	
Months, by.....	98, 108	
Deaths and death rates, by race and sex.....	88	
Bulbar—		
Deaths—		
Age periods.....	118, 128	
Marital relations and nativity.....	141	
Months, by.....	98, 108	
Deaths and death rates, by race and sex.....	88	
Infantile, prevalence of.....	12	
Muscular, atrophic—		
Deaths—		
Age periods.....	118, 128	
Marital relations and nativity.....	140	
Months, by.....	98, 108	
Deaths and death rates, by race and sex.....	88	
Paralysis, unqualified:		
Deaths—		
Age periods.....	118, 129	
Marital relations and nativity.....	141	
Months, by.....	98, 108	
Deaths and death rates, by race and sex.....	88	
Paresis, deaths from.....	12	
Paresis of insane:		
Deaths—		
Age periods.....	118, 129	
Marital relations and nativity.....	141	
Months, by.....	98, 108	
Deaths and death rates, by race and sex.....	88	
Parotiditis:		
Deaths—		
Age periods.....	120, 130	
Marital relations and nativity.....	142	
Months, by.....	100, 110	
Deaths and death rates, by race and sex.....	89	

Parotitis:

Deaths—	Page.
Age periods.....	120, 130
Marital relations and nativity.....	142
Months, by.....	100, 110
Deaths and death rates, by race and sex.....	89

Pellagra:

Cases and case rates, 1913 to 1917, deaths and death rates, 1913 to 1917, fatal cases, percentage, 1913 to 1917.....	191
Cases and deaths reported by age periods, calendar year 1917.....	192
Cases and deaths reported, by race and by months, calendar year, 1917....	192
Daily mortality, by race, and corresponding daily meteorological data....	150-173
Deaths—	
Age periods.....	116, 126
Marital relations and nativity.....	138
Months, by.....	96, 106
Deaths and death rates, by race and sex.....	85
Hospitalization of cases.....	33

Pericarditis:

Deaths—	
Age periods.....	119, 129
Marital relations and nativity.....	141
Months, by.....	99, 109
Deaths and death rates, by race and sex.....	89

Peritonitis:

Deaths—	
Age periods.....	121, 131
Marital relations and nativity.....	143
Months, by.....	101, 111
Deaths and death rates, by race and sex.....	90

Puerperal—

Deaths—	
Age periods.....	122, 132
Marital relations and nativity.....	144
Months, by.....	101, 111
Deaths and death rates, by race and sex.....	91

Permit office, complaints recorded..... 24

Personnel of officers and employees..... 25

Pharyngitis:

Deaths—	
Age periods.....	120, 130
Marital relations and nativity.....	142
Months, by.....	100, 110
Deaths and death rates, by race and sex.....	89

Phlebitis:

Deaths—	
Age periods.....	119, 129
Marital relations and nativity.....	141
Months, by.....	99, 109
Deaths and death rates, by race and sex.....	89

Phlegmon, scroti:

Deaths—	
Age periods.....	121, 131
Marital relations and nativity.....	143
Months, by.....	101, 111
Deaths and death rates, by race and sex.....	91

Physicians:

Registered, list of, Appendix G.....	75, 80
Registration of.....	24

Placenta previa:

Deaths—	
Age periods.....	121, 132
Marital relations and nativity.....	144
Months, by.....	101, 111
Deaths and death rates, by race and sex.....	91
Playgrounds inspected.....	53

Pleurisy:	
Deaths—	Page.
Age periods.....	119, 130
Marital relations and nativity.....	142
Months, by.....	99, 109
Deaths and death rates, by race and sex.....	
Pneumonia:	
All forms—	
Daily mortality, by race, and corresponding daily meteorological data.....	150-173
Deaths and relative mortality, by race, 1901 to 1917, inclusive.....	184
Broncho—	
Deaths—	
Age periods.....	119, 130
Marital relations and nativity.....	142
Months, by.....	99, 109
Deaths and death rates, by race and sex.....	89
Deaths and death rates, by race, also taken together with bronchitis and congestion of lungs, from 1901 to 1917, inclusive.....	199
Deaths from.....	12
Fibroid—	
Deaths—	
Age periods.....	120, 130
Marital relations and nativity.....	142
Months, by.....	100, 110
Deaths and death rates, by race and sex.....	89
Lobar—	
Deaths—	
Age periods.....	119, 130
Marital relations and nativity.....	142
Months, by.....	99, 109
Deaths and death rates, by race and sex.....	89
Podiatry, act to regulate.....	25
Poisoning:	
Accidental—	
Deaths—	
Age periods.....	124, 135
Marital relations and nativity.....	147
Months, by.....	103, 113
Deaths and death rates, by race and sex.....	93
Suicides by—	
Deaths—	
Age periods.....	123, 134
Marital relations and nativity.....	146
Months, by.....	103, 113
Deaths and death rates, by race and sex.....	93
Police department:	
Examinations made for.....	43, 63
Time consumed.....	44
Poliomyelitis:	
Cases reported and case rates, 1912 to 1917, inclusive.....	186
Deaths and death rates, 1912 to 1917, inclusive.....	186
Poliomyelitis, acute, anterior:	
Cases reported, by age periods.....	187
Cases reported, deaths from.....	31
Deaths—	
Age periods.....	118, 128
Marital relations and nativity.....	141
Months, by.....	98, 108
Deaths and death rates, by race and sex.....	8
Deaths, percentage to reported cases, and age periods, calendar year 1917.....	187
Hospitalization of.....	33
Reported cases and deaths, by race and by months.....	187
Population:	
1917, comparative table.....	7
Deaths and death rates, 1905 to 1917, inclusive.....	179

Parotitis:

Deaths—

	Page.
Age periods.....	120, 130
Marital relations and nativity.....	142
Months, by.....	100, 110
Deaths and death rates, by race and sex.....	89

Pellagra:

Cases and case rates, 1913 to 1917, deaths and death rates, 1913 to 1917, fatal cases, percentage, 1913 to 1917.....	191
Cases and deaths reported by age periods, calendar year 1917.....	192
Cases and deaths reported, by race and by months, calendar year, 1917....	192
Daily mortality, by race, and corresponding daily meteorological data....	150-173
Deaths—	
Age periods.....	116, 126
Marital relations and nativity.....	138
Months, by.....	96, 106
Deaths and death rates, by race and sex.....	85
Hospitalization of cases.....	33

Pericarditis:

Deaths—

Age periods.....	119, 129
Marital relations and nativity.....	141
Months, by.....	99, 109
Deaths and death rates, by race and sex.....	89

Peritonitis:

Deaths—

Age periods.....	121, 131
Marital relations and nativity.....	143
Months, by.....	101, 111
Deaths and death rates, by race and sex.....	90

Puerperal—

Deaths—

Age periods.....	122, 132
Marital relations and nativity.....	144
Months, by.....	101, 111
Deaths and death rates, by race and sex.....	91

Permit office, complaints recorded..... 24

Personnel of officers and employees..... 25

Pharyngitis:

Deaths—

Age periods.....	120, 130
Marital relations and nativity.....	142
Months, by.....	100, 110
Deaths and death rates, by race and sex.....	89

Phlebitis:

Deaths—

Age periods.....	119, 129
Marital relations and nativity.....	141
Months, by.....	99, 109
Deaths and death rates, by race and sex.....	89

Phlegmon, scroti:

Deaths—

Age periods.....	121, 131
Marital relations and nativity.....	143
Months, by.....	101, 111
Deaths and death rates, by race and sex.....	91

Physicians:

Registered, list of, Appendix G.....	75, 80
Registration of.....	24

Placenta previa:

Deaths—

Age periods.....	121, 132
Marital relations and nativity.....	144
Months, by.....	101, 111
Deaths and death rates, by race and sex.....	91

Playgrounds inspected..... 53

Pleurisy:	
Deaths—	Page.
Age periods.....	119, 130
Marital relations and nativity.....	142
Months, by.....	99, 109
Deaths and death rates, by race and sex.....	
Pneumonia:	
All forms—	
Daily mortality, by race, and corresponding daily meteorological data.....	150-173
Deaths and relative mortality, by race, 1901 to 1917, inclusive.....	184
Broncho—	
Deaths—	
Age periods.....	119, 130
Marital relations and nativity.....	142
Months, by.....	99, 109
Deaths and death rates, by race and sex.....	89
Deaths and death rates, by race, also taken together with bronchitis and congestion of lungs, from 1901 to 1917, inclusive.....	199
Deaths from.....	12
Fibroid—	
Deaths—	
Age periods.....	120, 130
Marital relations and nativity.....	142
Months, by.....	100, 110
Deaths and death rates, by race and sex.....	89
Lobar—	
Deaths—	
Age periods.....	119, 130
Marital relations and nativity.....	142
Months, by.....	99, 109
Deaths and death rates, by race and sex.....	89
Podiatry, act to regulate.....	25
Poisoning:	
Accidental—	
Deaths—	
Age periods.....	124, 135
Marital relations and nativity.....	147
Months, by.....	103, 113
Deaths and death rates, by race and sex.....	93
Suicides by—	
Deaths—	
Age periods.....	123, 134
Marital relations and nativity.....	146
Months, by.....	103, 113
Deaths and death rates, by race and sex.....	93
Police department:	
Examinations made for.....	43, 63
Time consumed.....	44
Poliomyelitis:	
Cases reported and case rates, 1912 to 1917, inclusive.....	186
Deaths and death rates, 1912 to 1917, inclusive.....	186
Poliomyelitis, acute, anterior:	
Cases reported, by age periods.....	187
Cases reported, deaths from.....	31
Deaths—	
Age periods.....	118, 128
Marital relations and nativity.....	141
Months, by.....	98, 108
Deaths and death rates, by race and sex.....	8
Deaths, percentage to reported cases, and age periods, calendar year 1917.....	187
Hospitalization of.....	33
Reported cases and deaths, by race and by months.....	187
Population:	
1917, comparative table.....	7
Deaths and death rates, 1905 to 1917, inclusive.....	179

Pott's disease:	
Deaths—	Page.
Age periods.....	116, 126
Marital relations and nativity.....	139
Months, by.....	96, 106
Deaths and death rates, by race and sex.....	86
Pound service:	
Animals disposed of.....	23, 60
Animals impounded.....	23, 60, 73
Cost of service.....	23, 66, 73
Fees and sales, amount of.....	61
Money collected.....	61
Pregnancy:	
Deaths—	
Age periods.....	121, 132
Marital relations and nativity.....	144
Months, by.....	101, 111
Deaths and death rates, by race and sex.....	91
Prematurity:	
Deaths—	
Age periods.....	123, 133
Marital relations and nativity.....	145
Months, by.....	103, 113
Deaths and death rates, by race and sex.....	93
Deaths from.....	12
Printing offices inspected.....	53, 54, 57
Privies:	
Inspected.....	53, 54
Registered.....	22
Prosecutions:	
Food Bureau, by.....	18
Milk and cream below standard, for.....	40
Nuisances, for.....	53
Prostatectomy:	
Deaths—	
Age periods.....	121, 131
Marital relations and nativity.....	143
Months, by.....	101, 111
Deaths and death rates, by race and sex.....	91
Prostatitis:	
Deaths—	
Age periods.....	121, 131
Marital relations and nativity.....	143
Months, by.....	101, 111
Deaths and death rates, by race and sex.....	91
Providence Hospital, patients treated in and cost to District of Columbia.....	15, 32
Ptomaine poisoning:	
Deaths—	
Age periods.....	124, 135
Marital relations and nativity.....	147
Months, by.....	103, 113
Deaths and death rates, by race and sex.....	93
Pulmonary congestion:	
Daily mortality, by race, and corresponding daily meteorological data. .	150-173
Deaths—	
Age periods.....	119, 130
Marital relations and nativity.....	142
Months by.....	99, 109
Deaths and death rates, by race and sex.....	89
Pulmonary gangrene:	
Deaths—	
Age periods.....	120, 130
Marital relations and nativity.....	142
Months, by.....	99, 109
Deaths and death rates, by race and sex.....	89

Pulmonary hemorrhage:	
Deaths—	Page.
Age periods.....	120, 130
Marital relations and nativity.....	142
Months by.....	100, 110
Deaths and death rates, by race and sex.....	89
Purperal hemorrhagica:	
Deaths—	
Age periods.....	118, 128
Marital relations and nativity.....	140
Months, by.....	98, 108
Deaths and death rates, by race and sex.....	87
Purulent infection and septicemia:	
Deaths—	
Age periods.....	116, 126
Marital relations and nativity.....	138
Months, by.....	96, 106
Deaths and death rates, by race and sex.....	85
Pulmonary edema:	
Deaths—	
Age periods.....	119, 130
Marital relations and nativity.....	142
Months, by.....	99, 109
Deaths and death rates, by race and sex.....	89
Public baths: Inspected.....	53, 58
Public buildings: Inspected.....	53, 58
Public schools: Inspected.....	53, 58
Pyleonephritis:	
Deaths—	
Age periods.....	121-131
Marital relations and nativity.....	143
Months, by.....	101, 111
Deaths and death rates, by race and sex.....	90
Pyloric stenosis:	
Deaths—	
Age periods.....	123, 133
Marital relations and nativity.....	145
Months, by.....	99, 109
Deaths and death rates, by race and sex.....	92
Pyosalpinx:	
Deaths—	
Age periods.....	121, 132
Marital relations and nativity.....	144
Months, by.....	101, 111
Deaths and death rates, by race and sex.....	91
	Q.
Quarantine station:	
Activity in.....	15
Cost of service.....	66, 71
Work in.....	71
	R.
Rabies:	
Deaths and relative mortality, by race, 1901 to 1917, inclusive.....	185
Prevalence of 1915, 1916.....	14
Railroad accidents, steam, street:	
Deaths—	
Age periods.....	124, 135
Marital relations and nativity.....	147
Months, by.....	104, 114
Deaths and death rates, by race and sex.....	94
Deaths and relative mortality, by race, 1901 to 1917, inclusive.....	185
Recapitulation:	
Deaths—	
Age periods.....	125, 136
Marital relations and nativity.....	149
Months, by.....	105, 115
Deaths and death rates, by race and sex.....	95

Recommendations:	Page.
Chemist, of.....	45
Chief food inspector, of.....	36
Chief sanitary inspector, of.....	56
Rectum, stenosis of:	
Deaths—	
Age periods.....	120, 131
Marital relations and nativity.....	143
Months, by.....	100, 110
Deaths and death rates, by race and sex.....	90
Regulations, amended.....	25
Renal calculi:	
Deaths—	
Age periods.....	121, 131
Marital relations and nativity.....	143
Months, by.....	101, 111
Deaths and death rates, by race and sex.....	91
Report of health officer.....	7-26
Restaurants, inspected.....	17
Rheumatism:	
Acute—	
Daily mortality, by race, and corresponding daily meteorological data.....	150, 173
Deaths—	
Age periods.....	117, 127
Marital relations and nativity.....	140
Months, by.....	97, 107
Deaths and death rates, by race and sex.....	87
Deaths and relative mortality, by race, 1901 to 1917, inclusive.....	185
Chronic—	
Deaths—	
Age periods.....	117, 128
Marital relations and nativity.....	140
Months, by.....	97, 107
Deaths and death rates, by race and sex.....	87
Deaths and relative mortality, by race, 1901 to 1917, inclusive.....	185
Rickets:	
Deaths—	
Age periods.....	117, 127
Marital relations and nativity.....	139
Months, by.....	96, 106
Deaths and death rates, by race and sex.....	86
Riggs disease:	
Deaths—	
Age periods.....	120, 130
Marital relations and nativity.....	142
Months, by.....	100, 110
Deaths and death rates, by race and sex.....	89
Roster of officers and employees.....	3
S.	
Salivation:	
Deaths—	
Age periods.....	118, 128
Marital relations and nativity.....	140
Months, by.....	98, 108
Deaths and death rates, by race and sex.....	87
Sanitary Inspection Bureau.....	21
Cost of maintenance.....	22
Cost of service, work done in.....	53, 66
Systematic inspections, table.....	58
Sanitary Inspection Service:	
Annual and daily average work in.....	69
Cost of.....	66, 69
Work done in, 1917, 1918, table.....	57
Sanitary inspectors, special duties.....	22

	Page.
Scarlet fever:	
Cases and case rates, 1901 to 1917; deaths and death rates, 1901 to 1917; fatal cases, percentage, 1901 to 1917.....	192
Cases and deaths from January to June, 1918.....	30
Cases and deaths reported, by age periods, calendar year 1917.....	193
Cases and deaths reported, by race and by months, calendar year 1917....	193
Daily mortality, by race, and corresponding meteorological data.....	150-173
Deaths—	
Age periods.....	116, 126
Marital relations and nativity.....	138
Months, by.....	96, 106
Deaths and death rates, by race and sex.....	85
Hospitalization of.....	33
In institutions.....	30
Prevalence of.....	30
Schools, medical inspection of.....	16
Sclerosis:	
Deaths—	
Age periods.....	118, 128
Marital relations and nativity.....	141
Months, by.....	98, 108
Death and death rates, by race and sex.....	88
Scurvy:	
Deaths and death rates, by race and sex.....	87
Senility:	
Deaths—	
Age periods.....	123, 134
Marital relations and nativity.....	146
Months, by.....	103, 113
Deaths and death rates, by race and sex.....	93
Deaths from.....	12
Sepsis, puerperal:	
Deaths—	
Age periods.....	122, 132
Marital relations and nativity.....	144
Months, by.....	101, 103, 112, 113
Deaths and death rates, by race and sex.....	91, 93
Septicemia:	
Deaths—	
Age periods.....	116, 126
Marital relations and nativity.....	138
Months, by.....	96, 106
Serological Laboratory:	
Least cost of maintenance.....	16-73
Tests made in.....	51
Work done in.....	51-73
Serologist, report of.....	47
Sewage-disposal systems:	
Inspected.....	57
Registered.....	22
Slaughterhouses, inspection of.....	18, 36
Smallpox:	
Cases and case rates, 1901 to 1917; deaths and death rates, 1901 to 1917; fatal cases, percentage, 1901 to 1917.....	193
Cases and deaths reported, by age periods, calendar year 1917.....	194
Cases and deaths reported, by race and by months, calendar year 1917....	194
Cases reported.....	30
Hospitalization of cases.....	33
Prevalence of.....	30
Smallpox hospital:	
Activity in.....	15
Cost of service.....	66, 71
Work done in.....	71
Smoke-inspection service:	
Annual and daily average work in.....	71
Cost of.....	66, 71
Observations made, prosecutions under.....	22

Spasms, laryngeal:	
Deaths—	Page.
Age periods.....	119, 129
Marital relations and nativity.....	141
Months, by.....	99, 109
Deaths and death rates, by race and sex.....	89
Spina bifida:	
Deaths—	
Age periods.....	123, 133
Marital relations and nativity.....	145
Months, by.....	103, 113
Deaths and death rates, by race and sex.....	92
Sputum specimens examined.....	51
Stables:	
Inspected.....	54
Registered.....	22
Stillbirths:	
Causes of.....	201
Illegitimate, legitimate.....	9, 201
Place of confinement, and by race.....	9
Reported.....	8
Reported by race and sex, calendar year 1917.....	201
Reported by statistical districts.....	181
Stillbirths and rates, and comparative table.....	7
Stomatitis:	
Deaths—	
Age periods.....	120, 130
Marital relations and nativity.....	142
Months, by.....	100, 110
Deaths and death rates, by race and sex.....	89
Strangulation, accidental:	
Deaths—	
Age periods.....	125, 135
Marital relations and nativity.....	147
Months, by.....	105, 115
Deaths and death rates, by race and sex.....	95
Stricture, urethral:	
Deaths—	
Age periods.....	121, 131
Marital relations and nativity.....	143
Months, by.....	101, 111
Deaths and death rates, by race and sex.....	91
Suicides:	
By poison—	
Deaths—	
Age periods.....	123, 134
Marital relations and nativity.....	146
Months, by.....	103, 113
Deaths and death rates, by race and sex.....	93
Deaths and relative mortality, by race, 1901 to 1917, inclusive.....	185
Deaths by.....	83
Daily mortality, by race, and corresponding daily meteorological data..	150, 173
Sunstrokes:	
Daily mortality, by race, and corresponding daily meteorological data..	150-173
Deaths—	
Age periods.....	124, 135
Marital relations and nativity.....	147
Months, by.....	104, 114
Deaths and death rates, by race and sex.....	94
Supervisory service, cost of.....	66, 68
Swimming pools, inspection of.....	48
Syphilis:	
Deaths and death rates, by race and sex.....	86
Acquired—	
Deaths—	
Age periods.....	117, 127
Marital relations and nativity.....	139
Months by.....	97, 107

Syphilis—Continued.

Congenital—
Deaths—

	Page.
Age periods.....	117, 127
Marital relations and nativity.....	139
Months, by.....	97, 107

T.

Table 1a: Deaths and death rates, by race, sex, and cause of death.....	85-95
Table 1b: Deaths, arranged by causes, months, race and sex.....	96-115
Table 1c: Deaths, arranged by causes, age periods, race, and sex.....	116-137
Table 1d: Deaths, arranged by causes, marital relations, nativity, race, and sex.....	138-149
Table 2: Daily mortality, arranged with reference to race, certain causes of death, and corresponding meteorological data.....	150-173
Table 3: Deaths and average age of decedents, arranged according to age, sex, and race, 1901 to 1917, inclusive.....	174, 175
Table 4: Decedents under 1 year of age, by race, sex, age, and months during calendar year 1917.....	176, 177
Table 5: Number and age of decedents 70 years of age and over during calendar year 1917.....	177
Table 6: Number of deaths in hospitals and other public institutions during calendar year 1917.....	177, 178
Table 8: Places of interment or other disposition of remains in the District of Columbia, calendar year 1917.....	178
Table 9: Estimated population, deaths and death rates, by race, 1901 to 1917, inclusive.....	179
Table 10: Deaths under 1 year, by race, sex, and months, 1901 to 1917, inclusive.....	179, 180
Table 11: Deaths under 5 years, by race, 1901 to 1917, inclusive.....	180
Table 12: Births, deaths under 1 year of age, and death rates based on reported births, by race, 1901 to 1917, inclusive.....	181
Table 12a: Deaths under 1 year of age, stillbirths, and live births, by race, arranged according to statistical districts.....	181
Table 13: Deaths and death rates, by race and months, 1901 to 1917, inclusive.....	181, 182
Table 14: Number of deaths and relative mortality from certain specified diseases, by race, 1901 to 1917, inclusive.....	183-185
Table 15: Deaths from cancers and other malignant tumors, by race and sex, 1901 to 1917, inclusive.....	185
Table 16: Deaths from cancers and other malignant growths, arranged with reference to sex, marital relations, ages, and organs involved.....	186
Table 17: Anterior poliomyelitis, acute; deaths and death rates, cases and case rates, percentage of deaths to cases, according to race, from 1912 to 1917, inclusive.....	186
Table 17a: Anterior poliomyelitis, acute; reported cases and deaths, by race and by months, calendar year 1917.....	187
Table 17b: Anterior poliomyelitis, acute; cases and deaths, with percentage of deaths to cases, at certain age periods, calendar year 1917.....	187
Table 18: Chicken pox, deaths and death rates, cases and case rates, percentage of deaths to cases, according to race, from 1907 to 1917, inclusive.....	187
Table 18a: Chicken pox, reported cases and deaths, by race and by months, calendar year 1917.....	188
Table 18b: Chicken pox, cases and deaths, with percentage of deaths to cases, at certain age periods, calendar year 1917.....	188
Table 19: Diphtheria, deaths and death rates, cases and case rates, percentage of deaths to cases, according to race, from 1901 to 1917, inclusive.....	188
Table 19a: Diphtheria, reported cases and deaths, by race and months, calendar year 1917.....	189
Table 19b: Diphtheria, cases and deaths, with percentage of deaths to cases, at certain age periods, calendar year 1917.....	189
Table 20: Measles, deaths and death rates, cases and case rates, percentage of deaths to cases, according to race, from 1901 to 1917.....	189
Table 20a: Measles, reported cases and deaths, by race and by months, calendar year 1917.....	190
Table 20b: Measles, cases and deaths, with percentage of deaths to cases at certain age periods, calendar year 1917.....	190

	Page.
Table 21: Meningitis, epidemic, cerebrospinal; deaths and death rates, cases and case rates, percentage of deaths to cases, according to race, from 1901 to 1917, inclusive.....	190
Table 21a: Meningitis, epidemic cerebrospinal; reported cases and deaths, by race and by months, calendar year 1917.....	191
Table 21b: Meningitis, epidemic cerebrospinal; cases and deaths, with percentage of deaths to cases, at certain age periods, calendar year 1917.....	191
Table 22: Pellagra, deaths and death rates, cases and case rates, percentage of deaths to cases, according to race, from 1913 to 1917, inclusive.....	191
Table 22a: Pellagra, reported cases and deaths, by race and by months, calendar year 1917.....	192
Table 22b: Pellagra, cases and deaths, with percentage of deaths to cases, at certain age periods, calendar year 1917.....	192
Table 23: Scarlet fever, deaths and death rates, cases and case rates, percentage of deaths to cases, according to race, from 1901 to 1917, inclusive.....	192
Table 23a: Scarlet fever, reported cases and deaths, by race, and by months, calendar year 1917.....	193
Table 23b: Scarlet fever, cases and deaths, with percentage of deaths to cases, at certain age periods, calendar year 1917.....	193
Table 24: Smallpox, deaths and death rates, cases and case rates, percentage of deaths to cases, according to race, from 1901 to 1917, inclusive.....	193
Table 24a: Smallpox, reported cases and deaths, by race and by months, calendar year 1917.....	194
Table 24b: Smallpox, cases and deaths, with percentage of deaths to cases, at certain age periods, calendar year 1917.....	194
Table 25: Tuberculosis, reportable forms; deaths and death rates, cases and case rates, percentage of deaths to cases, according to race, from 1908 to 1917, inclusive.....	194
Table 25a: Tuberculosis, reportable forms; reported cases and deaths, by race and by months, calendar year 1917.....	195
Table 25b: Tuberculosis, reportable forms; cases and deaths, with percentage of deaths to cases, at certain age periods, calendar year 1917.....	195
Table 26: Reported cases and deaths from pulmonary tuberculosis, by race and by months and years, 1901 to 1917, inclusive.....	195, 196
Table 27: Typhoid fever, deaths and death rates, cases and case rates, percentage of deaths to cases, according to race, 1901 to 1917, inclusive.....	197
Table 27a: Typhoid fever, reported cases and deaths, by race and by months, calendar year 1917.....	197
Table 27b: Typhoid fever, cases and deaths, with percentage of deaths to cases, at certain age periods, calendar year 1917.....	197
Table 28: Whooping cough, deaths and death rates, cases and case rates, percentage of deaths to cases, according to race, from 1901 to 1917, inclusive.....	198
Table 28a: Whooping cough, reported cases and deaths, by race and by months, calendar year 1917.....	198
Table 28b: Whooping cough, cases and deaths, with percentage of deaths to cases, at certain age periods, calendar year 1917.....	198
Table 29: Population and deaths, by race, from pneumonia, bronchitis, and congestion of lungs, and from said diseases taken together, and showing the death rate of each of such classes at death, from 1901 to 1917, inclusive.....	199
Table 30: Births reported, by race and sex, and by months, during 1917.....	199
Table 31: Births in institutions, by race and sex and place of birth, during 1917.....	199
Table 32: Births reported, arranged by race, and by legitimacy and illegitimacy, and number of multiple births, 1896 to 1917.....	200
Table 33: Stillbirths reported, by race and sex, and certain data relative thereto, calendar year 1917.....	201
Table of contents.....	5
Tailor shops inspected.....	53, 58
Tenement houses registered.....	22
Tetanus:	
Deaths—	
Age periods.....	116, 126
Marital relations and nativity.....	138
Months, by.....	96, 106
Deaths and death rates, by race and sex.....	85
Theaters inspected.....	53, 58

Thrombosis:		
Deaths—		Page.
Age periods.....	119, 129	
Marital relations and nativity.....	141	
Months, by.....	99, 109	
Deaths and death rates, by race and sex.....	89	
Puerperal—		
Deaths—		
Age periods.....	122, 132	
Marital relations and nativity.....	144	
Months, by.....	101, 112	
Deaths and death rates, by race and sex.....	91	
Tonsillectomy:		
Deaths—		
Age periods.....	120, 130	
Marital relations and nativity.....	142	
Months, by.....	100, 110	
Deaths and death rates, by race and sex.....	89	
Tonsillitis:		
Deaths—		
Age periods.....	120, 130	
Marital relations and nativity.....	142	
Months, by.....	100, 110	
Deaths and death rates, by race and sex.....	89	
Transcripts issued: Births, deaths, fees received, marriages.....	24	
Tuberculin tests.....	35	
Tuberculosis:		
Acute miliary—		
Deaths—		
Age periods.....	116, 126	
Marital relations and nativity.....	138	
Months, by.....	96, 106	
Deaths and death rates, by race and sex.....	86	
Abdominal, deaths—		
Age periods.....	116, 126	
Marital relations and nativity.....	138	
Months, by.....	96, 106	
Pulmonary—Cases and deaths reported, by race and by months and years,		
1901 to 1917, included.....	195, 196	
Cases reported, deaths from.....	31	
Disseminated—		
Deaths—		
Age periods.....	116, 127	
Marital relations and nativity.....	139	
Months, by.....	96, 106	
Deaths and death rates, by race and sex.....	86	
Joints, of, deaths and death rates, by race and sex.....	86	
Lungs, of—		
Deaths—		
Age periods.....	116, 126	
Marital relations and nativity.....	138	
Months, by.....	96, 106	
Deaths and death rates, by race and sex.....	86	
Meningeal—		
Deaths—		
Age periods.....	116, 126	
Marital relations and nativity.....	138	
Months, by.....	96, 106	
Deaths and death rates, by race and sex.....	86	
Of other organs—		
Deaths—		
Age periods.....	116, 126	
Marital relations and nativity.....	139	
Months, by.....	96, 106	
Deaths and death rates, by race and sex.....	86	

Tuberculosis—Continued.

	Page.
Pulmonary—	
Deaths from.....	12
Daily mortality by race, and corresponding daily meteorological data.....	150, 173
Spinal—	
Deaths and death rates, by race and sex.....	86
Reportable forms—	
Cases and case rates, 1908 to 1917; deaths and death rates, 1908 to 1917; fatal cases, percentage, 1908 to 1917.....	194
Cases and deaths reported, by age periods, calendar year 1917.....	195
Cases and deaths reported, by race and by months, calendar year 1917.....	195
Tumors:	
Deaths from, 1901 to 1917, inclusive.....	185
Intestinal—	
Deaths—	
Age periods.....	120, 131
Marital relations and nativity.....	143
Months, by.....	100, 109
Deaths and death rates, by race and sex.....	90
Liver, of—	
Deaths—	
Age periods.....	120, 131
Marital relations and nativity.....	143
Months, by.....	100, 110
Deaths and death rates, by race and sex.....	91
Nonmalignant—	
Deaths—	
Age periods.....	117, 127
Marital relations and nativity.....	140
Months, by.....	97, 107
Deaths and death rates, by race and sex.....	87
Ovarian—	
Deaths—	
Age periods.....	121, 132
Marital relations and nativity.....	143
Months, by.....	101, 111
Deaths and death rates, by race and sex.....	91
Pancreas, of—	
Deaths—	
Age periods.....	121, 131
Marital relations and nativity.....	143
Months, by.....	101, 111
Deaths and death rates, by race and sex.....	90
Typhoid fever:	
Cases, deaths from, where contracted.....	30
Cases and case rates, 1901 to 1917, deaths and death rates, 1901 to 1917, fatal cases, percentage, 1901 to 1917.....	197
Cases and deaths from January to June, 1918.....	30
Cases and deaths reported, by age periods, calendar year 1917.....	197
Cases and deaths reported, by race and by months, calendar year 1917.....	197
Daily mortality, by race, with corresponding daily meteorological data.....	150-173
Dairy farms, cases on.....	48
Deaths—	
Age periods.....	116, 126
Marital relations and nativity.....	138
Months, by.....	96, 106
Deaths and death rates, by race and sex.....	85
Deaths from.....	12
Hospitalization of.....	33
Prevalence of.....	30

U.

Ulcer:

Deaths—	
Age periods.....	122, 133
Marital relations and nativity.....	145
Months, by.....	102, 112

Ulcer—Continued.	Page.
Deaths and death rates, by race and sex.....	92
Gastric—	
Deaths—	
Age periods.....	120, 130
Marital relations and nativity.....	142
Months, by.....	100, 110
Deaths and death rates, by race and sex.....	89
Undertakers: Registration of.....	23
Undertaking establishments.....	53, 58
Urethral abscess:	
Deaths—	
Age periods.....	121, 131
Marital relations and nativity.....	143
Months, by.....	101, 111
Deaths and death rates, by race and sex.....	91
Urine:	
Retention of—	
Deaths—	
Age periods.....	121, 131
Marital relations and nativity.....	143
Months, by.....	101, 111
Deaths and death rates, by race and sex.....	91
Uterine fibroid:	
Deaths—	
Age periods.....	121, 131
Marital relations and nativity.....	143
Months, by.....	101, 111
Deaths and death rates, by race and sex.....	91
Uterus, prolapsed:	
Deaths—	
Age periods.....	121, 132
Marital relations and nativity.....	143
Months, by.....	101, 111
Deaths and death rates, by race and sex.....	91
V.	
Vaccine, typhoid, for free distribution.....	47
Varicose veins:	
Deaths—	
Age periods.....	119, 129
Marital relations and nativity.....	141
Months, by.....	99, 109
Deaths and death rates, by race and sex.....	89
Violence, external:	
Deaths—	
Age periods.....	125, 136
Marital relations and nativity.....	148
Months, by.....	105, 115
Deaths and death rates, by race and sex.....	95
Vital statistics:	
Deaths reported January to June, 1918.....	84
Report of Chief of Bureau, Appendix II.....	81-84
Tables.....	85-201
Vital Statistics, Bureau of:	
Annual and daily average work in.....	68
Cost of service.....	66, 68
Cost to operate.....	24
Registrations.....	23
Vomiting:	
Deaths—	
Age periods.....	121, 132
Marital relations and nativity.....	144
Months, by.....	101, 111
Deaths and death rates, by race and sex.....	91

W.

	Page.
Water:	
Chemical analysis of.....	41, 48
Source of samples collected.....	48
Weed law, enforcement of.....	22, 55
White swelling:	
Deaths—	
Age periods.....	116, 127
Marital relations and nativity.....	139
Months, by.....	96, 106
Deaths and death rates, by race and sex.....	86
Whooping cough:	
Daily mortality, by race, and corresponding daily meteorological data..	150-173
Cases and case rates, 1901 to 1917; deaths and death rates, 1901 to 1917,	
fatal cases, percentage, 1901 to 1917.....	198
Cases and deaths reported, by age periods, calendar year 1917.....	198
Cases and deaths reported, by race and by months, calendar year 1917....	198
Cases reported, deaths from.....	30
Deaths—	
Age periods.....	116, 126
Marital relations and nativity.....	138
Months, by.....	96, 106
Deaths and death rates, by race and sex.....	85
Deaths from.....	12
Hospitalization of cases.....	33

